

Subject Index—Volume 39

No. 1, January, pp. 1-368

No. 2, February, pp. 369-998

No. 3, March, pp. 999-1356

No. 4, April, pp. 1357-1922

No. 5, May, pp. 1923-2322

No. 6, June, pp. 2323-2964

A

Abdomen, lymphoma of, asynchronous development of two monoclonal proteins in, 2247

Abdominal-perianal resection, natural history of patients after, implications for radiation therapy, 2437

Adenocarcinoma

colonic, cell cycle parameters in, compared with benign polyps and adjacent unaffected mucosa, 1190

duodenal, primary, 1721

pancreatic, with neurofibromatosis, 1264

perianal mucinous, 1295

thyroid, anaplastic transformation of, fatal, 2588

vaginal, associated with stilbestrol exposure *in utero*, and adenosis, epidemiology of, 1892

Adenoma, parotid gland, basal cell membranous, 2460

Adenosis, vaginal, associated with stilbestrol exposure *in utero*, and adenocarcinoma, epidemiology of, 1892

Adrenalectomy

in mammary cancer, advanced, medical and surgical, 542

in mammary carcinoma, metastatic, vs. hormonal therapy (randomized sequential), 547

Adriamycin, see Antibiotics, antitumor

Alkaline phosphatase, carcinoplacental, in gastric carcinoma metastatic to liver, 1175

Alkaloids

vinblastine, in Hodgkin's disease, advanced, with cyclophosphamide, procarbazine, and prednisone, 1949

vinblastine, in Hodgkin's disease, MOPP-resistant, with Adriamycin, bleomycin, and dacarbazine, 1382

vinblastine maintenance, in advanced Hodgkin's disease, 1949

vincristine, in melanoma, malignant, with imidazole carboxamide and BCNU, 41

vincristine, in melanoma, malignant disseminated, with BCNU and DTIC, 1

vincristine, in melanoma, malignant disseminated, with BCNU, DTIC, and chloroprozamine, 5

vincristine, in pulmonary carcinoma, advanced squamous cell, with bleomycin, methyl CCNU and cyclophosphamide, 1026

vincristine, in schwannoma, malignant metastatic, with Adriamycin, cyclophosphamide, and imidazole carboxamide, 1955

vincristine, in tumors, solid, with cyclophosphamide, methotrexate, 5-FU, and prednisone, 21

vincristine-methotrexate-citrovorum factor rescue, in osteogenic sarcoma, 45

Alkylating agents

cyclophosphamide, in Hodgkin's disease, advanced, with vinblastine, procarbazine and prednisone, 1949

cyclophosphamide, in pulmonary carcinoma, advanced squamous cell, vs. COMB, 1026

cyclophosphamide, in schwannoma, malignant metastatic, with vincristine, Adriamycin, and imidazole carboxamide, 1955

cyclophosphamide, in tumors, solid, with vincristine, methotrexate, 5-FU, and prednisone, 21

cyclophosphamide, ovarian failure induced by, therapeutic significance in breast cancer patients, 1403

1-phenylalanine mustard, in mammary cancer, primary, 2883

Alpha-chain disease, pathological study of, 2081

Ameloblastoma, peripheral, 1625

Aminoglutethimide, in mammary cancer, kinetic, hormonal, and clinical studies with, 2948

Aminoglycosides, hypocalcemia with hyperparathyroidism and renal tubular dysfunction associated with, 1410

Amylase, in lung, 1656

Anal duct carcinoma, see Perianal mucinous adenocarcinoma, 1295

Anemia

Fanconi, leading to acute myelomonocytic leukemia, cytogenetic studies, 1163

sideroblastic idiopathic acquired, terminating in acute myelofibrosis, 359

Angiofibroma, nasopharyngeal juvenile, ultrastructure, 1044

Angiogenesis, in prediction of progression from hyperplasia to neoplasia in breast cancer, 2697

Angiosarcoma

digital, laser surgery of, 1738

radial nerve, of venous origin, 1556

Antibiotics, antitumor

Adriamycin and bleomycin, in Hodgkin's disease, MOPP-resistant, with dacarbazine and vinblastine, 1382

Adriamycin, cardiomyopathy after treatment with, risk factors, 1397

Adriamycin cardotoxicity in children, 62

Adriamycin, in hepatocellular carcinoma, in pa-

- tients from Zambia and United States, 1923
- Adriamycin, in human neoplasia, dose response evaluation of, 1940
- Adriamycin, in mycosis fungoides, advanced, 1967
- Adriamycin, in schwannoma, malignant metastatic, with vincristine, cyclophosphamide and imidazole carboxamide, 1955
- Adriamycin, in tumors, childhood solid, as low-dose remission maintenance therapy, 2411
- Adriamycin, in urinary tract cancer, advanced, 279
- bleomycin, in pulmonary carcinoma, advanced squamous cell, with methyl CCNU, vincristine, and cyclophosphamide, 1026
- bleomycin, serum pharmacokinetics of, determined by radioimmunoassay and microbiologic assay in patients with compromised renal function, 1430
- dactinomycin, with irradiation of breast cancer, 1981
- mitomycin-C, in hepatic carcinoma, primary and metastatic, with 5-fluorouracil in intrahepatic arterial infusion, 1425
- Antimetabolites
- 5-fluorouracil and methotrexate, in tumors, solid, with vincristine, cyclophosphamide, and prednisone, 21
- 5-fluorouracil, clinical utility of four regimens of, phase III study, 34
- 5-fluorouracil, enhancement of thymidine-labelling index in mammary cancer by, *in vitro*, 2524
- 5-fluorouracil, in hepatic carcinoma, primary and metastatic, with mitomycin-C in intrahepatic arterial infusion, 1425
- 5-fluorouracil, in hepatocellular carcinoma, 1936
- 5-fluorouracil, oral, in hepatoma, 1930
- methotrexate-citrovorum factor rescue, weekly high-dose, in osteogenic sarcoma, 45
- Antimicrobial therapy, relationship to bacteremia in cancer patients, 1704
- Aortic node, metastases to, from cervical carcinoma, biopsy-proven, high-dose irradiation to, 1243
- Asbestos exposure, occupational, cancer following, 1792
- B**
- Bacillus-Calmette-Guérin (BCG)
- effect of dose, route, and schedule of, on antibody titer and survival of murine skin grafts across weak histocompatibility barrier, 570
- immunotherapy with, in lymphoma, histiocytic, relapse in brain following, 1997
- Bacteremia, in cancer patients, relationship of fever, granulocytopenia, and antimicrobial therapy to, 1704
- Bacterial overgrowth in malabsorption syndrome in primary small intestinal lymphoma in Iran, 2579
- Barium enema, in preoperative evaluation of cancer patients, 1743
- BCNU, bis-chlorethyl-nitrosourea, see Nitrosoureas
- Biochemical predictive tests in breast cancer, 539
- Biopsy
- lymph node percutaneous, value in lymphangiographic determination of extent of metastatic carcinoma, 706
- postirradiation, in prostatic cancer, clinical appraisal, 637
- Bladder
- cancer of, preoperative irradiation and cystectomy in clinical stages B₂ and C, 973
- cancer of, seen in giant histologic sections, 447
- hemangiopericytoma of, after polyvinyl alcohol exposure, 1328
- Blastoma, pulmonary, ultrastructural study, 153
- Bleomycin, see Antibiotics, antitumor
- Blindness during remission in two patients with acute lymphoblastic leukemia, 58
- Blindness, in malignant histiocytosis patient, 1752
- Bone
- cyst of, aneurysmal, 2231
- histiocytoma of, malignant fibrous, fact or fancy, 1508
- leiomyosarcoma of, primary, 1664
- sarcoma of, radiation therapy in, 806
- tibia, fibromas of, ossifying, 2067
- Bone infarct in sickle-cell disease, malignant fibrous histiocytoma arising in association with, 186
- Bone marrow
- histologic examination of, in staging of pulmonary carcinoma, small cell anaplastic, 2563
- involvement of, by metastatic solid tumors, frequency and significance of, 1337
- involvement of, in mammary cancer, effect on response and tolerance to combination chemotherapy, 104
- proliferative activity in, in adult acute leukemia, pretreatment, prognostic significance of, 1603
- Brain
- glioblastoma multiforme of intracerebral delayed hypersensitivity reactions in patients with, 1331
- lipid embolism to, postlymphographic, in vena cava superior syndrome, 79
- lymphoma of, histiocytic, associated with hyperimmunoglobulinemia-E and recurrent infections, 2386
- sarcoma of, granulocytic, 1542
- tumor of, in patients with retinoblastoma, 2048
- tumor of, multiple primary, including medulloblastoma of cerebellum, 293
- tumor of, radiation therapy in, 873
- tumor of, viral-like characteristics in cerebrospinal fluids of patients with, 2240
- Breast
- cancer of, advanced, chemotherapy and hormonal therapy in, combined, 2923
- cancer of, advanced, endocrine therapy in, quantitative assessment of estrogen receptor for, 1971
- cancer of, advanced, response to therapy in, assessment of, 1289
- cancer of, aminoglutethimide in, kinetic, hormonal and clinical studies with, 2948
- cancer of, and chronic mastopathy, 2603
- cancer of, antitumor immunity in, assayed by tube leukocyte adherence inhibition, 494
- cancer of, biochemical predictive tests in, 539
- cancer of, biological markers in, clinical correlation

- with carcinoembryonic antigen, 2397
cancer of, bone marrow involvement in, effect on response and tolerance to combination chemotherapy, 104
cancer of, cells *in vivo*, proliferative patterns of, 1500
cancer of, chemotherapy in, adjuvant, rationale for, 2875
cancer of, detection of, thermography, ultrasound, and mammography in, 2796
cancer of, detection of, with conventional mammography, physical examination, thermography, and xeroradiography, 1984
cancer of, disseminated, chemotherapy of, 2916
cancer of, early stage, without mastectomy, radiation therapy as initial treatment for, 917
cancer of, estrogen and progesterone receptors in, 2934
cancer of, estrogen receptor protein in multiple tumor specimens from individual patients, 2194
cancer of, etiology of, genetic factors in, 2709
cancer of, etiology of, role of hormones in, 2716
cancer of, etiology of, role of nutrition in, 2704
cancer of, irradiation of with and without actinomycin-D, local soft tissue recurrence of, 1981
cancer of, mastectomy for, physical and psychology readjustment after, 478
cancer of, minimal, concept of, and the pathologist's role in the diagnosis of "early carcinoma," 2755
cancer of, natural history of, progression from hyperplasia to neoplasia as predicted by angiogenesis, 2697
cancer of, operable, radiation therapy in post-operative treatment of, 924, 933
cancer of, operable, with positive axillary nodes, CMF program for, 2904
cancer of, ovarian failure in patients treated with cyclophosphamide, 1403
cancer of, plasma immunoglobulin levels in, 2190
cancer of, primary, l-phenylalanine mustard in management of, 2883
cancer of, primary, treatment of, comparison of radical mastectomy with other treatments, 2827
cancer of, radiation therapy trials in, adjuvant, 2846
cancer of, radiation therapy in, adjuvant, clinical trials of, 941
cancer of, radiation therapy of, after mastectomy, 2868
cancer of, screening for, early, pros and cons, 2783
cancer of, screening for, evidence from a randomized trial, 2772
cancer of, treatment of, antiestrogens in, 2959
cancer of, treatment of, conservative local, 2813
cancer of, treatment of, conservative, trial in progress at Cancer Institute of Milan, 2822
cancer of, tumor antigens in, soluble, inhibiting leukocyte adherence, 506
cancer of, untreated internal mammary metastases, influence on course of disease, 533
carcinoma of, advanced, adrenalectomy in patients with, medical and surgical, 542
carcinoma of, biological markers in, clinical correlations with human chorionic gonadotrophin, 2391
carcinoma of, "early carcinoma," diagnosis of, 2755
carcinoma of, erythrophagocytosis by epithelial cells of, 1085
carcinoma of, extranodal metastatic axillary disease in, prognostic significance, 2280
carcinoma of, lobular *in situ*, 2597
carcinoma of, lymph node involvement in, vs. level of metastasis, 527
carcinoma of, metastatic, hormonal therapy (randomized sequential) vs. adrenalectomy in, 547
carcinoma of, metastatic, hypophysectomy for, transsphenoidal, prolactin dynamics following, 2254
carcinoma of, noninfiltrating, prospective study of, 435
carcinoma of, pathologic features of, comparative study in Tokyo and New York, 429
carcinoma of, radiation therapy of, 2840
carcinoma of, thymidine labelling index of, enhancement *in vitro* by 5-fluorouracil and 5-fluoro-2'-deoxyuridine, 2524
diseases of, benign and malignant, cancer-associated antigens in, simultaneous assays of, 2806
diseases of, influence of oral contraceptives, on, 2764
fibroadenoma of, adenovirus-type-9-induced, and its malignant transformations, in rats, 2513
lymphoma of, malignant primary, 2033
lymphoma of, primary, ultrastructure, 2025
male, carcinoma of, small cell, 1748
neoplasia of, and oral contraceptives, 1906
preneoplasia of, biology of, 2734
tumor of, ectopic production of human placental lactogen by, 1693
tumor of, hormonal sensitivity *in vitro*, pentose-shunt activity, 1978
tumor of, murine, viruses of, differences in, 2727
tumor of, papillary intraductal, 1689
xeroradiography of, negative technique in, 112
Bronchogenic carcinoma, presenting as spontaneous pneumothorax, 2286
Bronchogenic carcinoma, squamous cell, operable, immunomorphological lymph node changes in patients with, 2371
Bronchus, carcinoma of, metaplastic squamous cell, simulating giant cell tumor of bone, 1119
Brush cytology diagnosis of herpetic esophagitis in cancer patients, 223
- C
- Cancer
and diet, 1809
and malpractice claims, 2573
and mutation, in man, 1882
and RNA viruses, 422
androgen-induced, possible, 1896

- bladder, preoperative irradiation and cystectomy in clinical stages B₂ and C, 973
- bladder, seen in giant histologic sections, 447
- cervical, advanced, radiation therapy in, hyperbaric oxygen as adjuvant to, 617
- cervical, immunodiagnostic potential of virus-coded, tumor-associated antigen (AG-4) in, 1834
- cervical, rarity in Malaysian Orang Asli, 1570
- cervical, venereal factors in, 1912
- childhood, survivors of, follow-up, 1776
- children with, parenteral nutritional support in, 2665
- colonic, fecal bile acids and neutral steroids in patients with, 2533
- colonic, metabolic epidemiology of, 2533
- colorectal, 5-FU in, clinical utility of four regimens of, 34
- colorectal, immune reactions in, tumor-associated, study of with permanent cell line extract in leukocyte migration test, 2378
- colorectal, surgical considerations in, 891
- colorectal, vascular invasion in, Duke's B Class, prognostic significance, 1195
- disseminated, irradiation of, total body, with 8 MeV x-rays, 1435
- endocrine-related, and diet, 1820
- endometrial, therapeutic decision and staging process in "early disease," 959
- esophageal, radiation therapy in, 882
- familial, double primary cancer in 2 young sibs, leukemia in another, and dextrocardia in a fourth, 2633
- familial, syndromes, 1867
- following asbestos and vinyl chloride occupational exposure, 1792
- following radiation therapy for pelvic disease, 1901
- gastric metastatic, streptococcus pneumonia peritonitis in patient with, spontaneous, 2306
- gynecologic, carcinoembryonic antigen in, serial plasma levels correlated with disease state, 2365
- head and neck, irradiation in management of primary lesion, 862
- immunosuppression in, role of prostaglandins, 2362
- incidence and mortality, in Utah, 2608
- induction of, by exogenous hormones, 1896
- intestinal, large, and diet and metabolism, 1815
- laryngeal and hypolaryngeal, surgery for, complications following, 624
- mammary, advanced, chemotherapy and hormonal therapy in, combined, 2923
- mammary, advanced, endocrine therapy in, quantitative assessment of estrogen receptor for, 1971
- mammary, advanced, response to therapy in, assessment of, 1829
- mammary, aminoglutethimide in, kinetic, hormonal and clinical studies with, 2948
- mammary, and chronic mastopathy, 2603
- mammary, antitumor immunity in, assayed by tube leukocyte adherence inhibition, 494
- mammary, biochemical predictive tests in, 539
- mammary, biological markers in, clinical correlations with carcinoembryonic antigen, 2397
- mammary, bone marrow involvement in, effect on response and tolerance to combination chemotherapy, 104
- mammary, cancer-associated antigens in, 2806
- mammary, cells *in vivo*, proliferative patterns of, 1500
- mammary, chemotherapy in, adjuvant, rationale for, 2875
- mammary, detection of, with conventional mammography, physical examination, thermography, and xeroradiography, 1984
- mammary, detection of, thermography, ultrasound, and mammography in, 2796
- mammary, disseminated, chemotherapy of, 2916
- mammary, early stage, without mastectomy, radiation therapy as initial treatment in, 917
- mammary, estrogen and progesterone receptors in, 2934
- mammary, estrogen receptor protein in multiple tumor specimens from individual patients, 2194
- mammary, etiology of, genetic factors in, 2709
- mammary, etiology of, role of hormones in, 2716
- mammary, etiology of, role of nutrition in, 2704
- mammary, 5-FU in, clinical utility of four regimens of, 34
- mammary, irradiation of with and without actinomycin D, local soft tissue recurrence of, 1981
- mammary, mastectomy for, physical and psychologic readjustment after, 478
- mammary, minimal, concept of, and the pathologist's role in diagnosis of "early carcinoma," 2755
- mammary, natural history of, progression from hyperplasia to neoplasia as predicted by angiogenesis, 2697
- mammary, operable, radiation therapy in postoperative treatment of, 924, 933
- mammary, operable, with positive axillary nodes, CMF program for, 2904
- mammary, ovarian failure in patients treated with cyclophosphamide, 1403
- mammary, plasma immunoglobulin levels in patients with, 2190
- mammary, primary, l-phenylalanine mustard in management of, 2883
- mammary, primary, treatment of, comparison of radical mastectomy with other treatments, 2827
- mammary, radiation therapy trials in, adjuvant, 2846
- mammary, radiation therapy in, adjuvant, clinical trials of, 941
- mammary, radiation therapy in, after mastectomy, 2868
- mammary, screening for, early, pros and cons, 2783
- mammary, screening for, evidence from a randomized trial, 2772
- mammary, treatment of, antiestrogens in, 2959
- mammary, treatment of, conservative local, 2813
- mammary, treatment of, conservative, trial in progress at Cancer Institute of Milan, 2822
- mammary, tumor antigens in, soluble, inhibiting

- leukocyte adherence, 506
mammary, untreated internal mammary metastases, influence upon course of disease, 533
occupational, status and needs of epidemiologic research in, 1788
ovarian, advanced resistant, intravenous *Corynebacterium parvum* as adjunct to chemotherapy for, 514
ovarian, detection of, plasma ribonuclease in, 2204
ovarian, staging and treatment of, advances in, 967
pancreatic, cohort analysis of, 1939-1969, 1260
prostatic, morphology and C_{19} -steroid metabolism of, compared with benign tissue, 1517
prostatic, postirradiation biopsy in, clinical appraisal, 637
prostatic, radiation therapy in, 856
psychophysiologic aspects of, 413
pulmonary, chemotherapy in, adjuvant, 1415
pulmonary, cigarette smoke related to type, 2568
pulmonary, detection program in New York, preliminary report, 369
pulmonary, histopathology of, changing, 1647
pulmonary, inoperable, survival with, 303
pulmonary, small cell, combination chemotherapy in, 1959
rectal, radiation therapy in, 896
testicular, familial, 2317
thyroid, in iodide-rich area, 215
urinary tract, advanced, Adriamycin in, 279
- Cancer care, patterns of, in radiation therapy, 780
Cancer epidemiology and genetic markers, 1861
Cancer epidemiology and the clinician, 1769, 1920
Cancer hospital, cryptococcosis in, 2265
Cancer Institute of Milan trial of conservative treatment of breast cancer, 2822
- Cancer patients
bacteremia in, relationship of fever, granulocytopenia, and antimicrobial therapy to, 1704
economic status and survival of, 467
herpetic esophagitis in, antemortem diagnosis by brush cytology, 223
influenza in, children and young adults, 350
Levamisole-treated, immunocompetence of, 487
phytohemagglutinin skin tests in, 2355
preoperative evaluation of, barium enema, proctosigmoidoscopy, and upper gastrointestinal series in, 1743
plasma siayltransferase levels in, alterations in, 1129
taste abnormalities in, posthypophysectomy, 1700
T-cell deficits in, thymosin reconstitution of *in vitro*, 575
- Cancer risk, related to oral contraceptive use during fertile years, 1887
Cancer screening programs, evaluation of, parallels with clinical trials, 1779
Cancer treatment, psychological aspects of, training oncology fellows, 2584
- Carboxamides
dimethyl-triazeno-imidazole-carboxamide, in melanoma, malignant disseminated, with BCNU and vincristine, 1
dimethyl-triazeno-imidazole-carboxamide, in melanoma, malignant disseminated, with BCNU, vincristine, and chloroprozamine, 5
imidazole carboxamide, in melanoma, malignant, with BCNU and vincristine, 41
imidazole carboxamide, in schwannoma, malignant metastatic, with vincristine, Adriamycin, and cyclophosphamide, 1955
- Carcinoma
and colorectal polyps, in Southern Iran, 274
bile duct intrahepatic, clinical aspects of, 232
bronchial, metaplastic squamous cell, simulating giant cell tumor of bone, 1119
bronchogenic, associated with HLA-AW19 and HLA-B5, prolonged disease-free survival in, 2345
bronchogenic, presenting as spontaneous pneumothorax, 2286
bronchogenic, squamous cell, operable, immunomorphological lymph node changes in patients with, 2371
buccal mucosa, squamous cell, associated with chronic oral polyvinyl chloride exposure, 1686
cervical, circumscribed, with marked lymphocytic infiltration, 2503
cervical, in situ, mitotic figures in, frequency and distribution, 1218
cervical, metastases from, to aortic node, biopsy-confirmed, high-dose irradiation of, 1243
cervical, pelvic lymph node morphology in, prognostic significance of, 2624
cervical, radiation therapy in, 945
colonic, familial occurrence of, with uterine carcinoma and lymphoproliferative malignancies, 1224, 1229
cutaneous, mucinous primary, 1055
endometrial, combined therapy for, preoperative intracavitary irradiation and hysterectomy, 659
endometrial, in oral contraceptive users and nonusers under 40 years of age, 592
endometrial, management and results, at Instituto Português de Oncologia de Francisco Gentil, 675
endometrial, management of, 40 years' evolution in, 671
esophageal, intravenous hyperalimentation as adjunct to colon interposition for, 410
gallbladder, in population of Southwestern American Indians, 1267
gastric, among Hawaiians and Caucasians in Hawaii, 2310
gastric, metastatic to liver, CEA, alpha-fetoprotein, and carcinoembryonic alkaline phosphatase in, 1175
gastric, pathobiological classification of, 2475
gingival, basal cell, peripheral ameloblastoma reported as, 1625
head and neck, squamous cell, spontaneous rosette formation and rosette inhibition assays in patients with, 2137
head and neck, squamous cell, treatment of neck in patients with, 868
hepatic, primary and metastatic, mitomycin-C and 5-fluorouracil intrahepatic arterial infusion in treatment of, 1425
hepatocellular, Adriamycin in, in patients from Zambia and United States, 1923

- hepatocellular, and congenital hepatic fibrosis and adult polycystic kidneys, 2619
- hepatocellular, 5-fluorouracil in, 1936
- hepatocellular, minute, in liver with *Clonorchis sinensis* infection, 1306
- intraoral, STNMP system for clinicopathological classification and identification of, 204
- mammary, advanced, adrenalectomy in patients with, medical and surgical, 542
- mammary, biological markers in, clinical correlations with human chorionic gonadotrophin, 2391
- mammary, "early carcinoma," diagnosis of, 2755
- mammary, erythrophagocytosis by epithelial cells of, 1085
- mammary, extranodal metastatic axillary disease, prognostic significance of, 2280
- mammary, lobular in situ, 2597
- mammary, lymph node involvement in, vs. level of metastasis, 527
- mammary, male, small cell, 1748
- mammary, metastatic, hormonal therapy (randomized sequential) vs. adrenalectomy for, 547
- mammary, metastatic, hypophysectomy for, transphenoidal, prolactin dynamics following, 2254
- mammary, noninfiltrating, prospective study of, 435
- mammary, pathologic features of, comparative study in Tokyo and New York, 429
- mammary, radiation therapy of, 2840
- mammary, thymidine labelling index of, enhancement *in vitro* by 5-fluorouracil and 5-fluoro-2'-deoxyuridine, 2524
- metastatic, lymphangiography in determination of extent of, 706
- nasopharyngeal, detection of from measurements made on lateral neck radiograph, 66
- oral cavity and oropharyngeal, recurrent, after-loading interstitial ^{192}Ir implant in, 2443
- oral squamous cell, prediction of tumor regression in, by potential tumor doubling time, 2275
- ovarian, clear cell primary, 2658
- ovarian, squamous cell, arising in benign cystic teratoma, 1237
- pancreatic, infantile, pancreatoblastoma, morphogenesis of, 232
- pancreatic, pleomorphic, 2114
- pancreatic, sarcomatoid, histologic spectrum, prognosis, and histogenesis of, 1181
- penile, treatment approach, 456
- prostatic, crystalloids of, relationship to Bence-Jones crystals, 2073
- prostatic, disseminated, hypophysectomy in treatment of, 1727
- prostatic localized, radiation therapy in, 98
- pulmonary, advanced squamous cell, chemotherapy of, cyclophosphamide vs. COMB, 1026
- pulmonary, radiation therapy in, 901
- pulmonary, small cell anaplastic, bone-marrow examination in staging of, 2563
- rectosigmoid, abdominal-perianal resection for, natural history of patients after, implications for radiation therapy, 2437
- salivary gland, arising in, malignant mixed, 2209
- sweat gland, mucinous (adenocystic), metastatic, 2556
- testicular, bilateral seminoma-embryonal cell, 2317
- testicular, radiation therapy in, 981
- thyroid, and concurrent hyperparathyroidism, 298
- thyroid, clear cell primary, with squamous features, 2497
- thyroid, fatal, anaplastic transformation of adenocarcinoma, 2588
- thyroid, medullary, microfollicular thyroid carcinoma resembling, 1573
- thyroid, microfollicular, with amyloid-rich stroma, resembling medullary thyroid carcinoma, 1573
- thyroid, mucoepidermoid, 210
- tonsillar, radiation therapy in, 604
- tonsillar, squamous cell, in young adults, 632
- uterine, familial occurrence of, with colonic carcinoma and lymphoproliferative malignancies, 1224, 1229
- yolk sac (endodermal sinus tumor), ultrastructure and histogenesis of gonadal and extragonadal tumor in comparison with normal human yolk sac, 1462
- Cecum, polyps of, fibrous inflammatory, 1300
- Cerebrospinal fluid, in brain tumor patients, viral-like characteristics of, 2240
- Cervico-mediastinal thymic cyst, with vocal cord paralysis, 347
- Cervix (uterine)
- cancer of, advanced, radiation therapy in, hyperbaric oxygen as adjuvant to, 617
 - cancer of, immunodiagnostic potential of virus-coded, tumor-associated antigen (AG-4) in, 1834
 - cancer of, rarity in Malaysian Orang Asli, 1570
 - cancer of, venereal factors in, 1912
 - carcinoma of, circumscribed, with marked lymphocytic infiltration, 2503
 - carcinoma of, in situ, mitotic figures in, frequency and distribution, 1218
 - carcinoma of, metastases from, to aortic node, biopsy-confirmed, high dose irradiation of, 1243
 - carcinoma of, pelvic lymph node morphology in, prognostic significance of, 2624
 - carcinoma of, radiation therapy in, 945
 - dysplasia of, mitotic figures in, frequency and distribution, 1218
- Chemical modification of radiation effects, 987
- Chemotherapy
- adjuvant, in mammary cancer, rationale for, 2875
 - adjuvant, in pulmonary cancer, 1415
 - adjuvant combination, in osteosarcoma of extremity, 51
 - combination, effect of bone marrow involvement in breast cancer on response and tolerance to, 104
 - combination, in Hodgkin's disease, advanced, with cyclophosphamide, vinblastine, procarbazine, and prednisone, with CCNU and vinblastine maintenance, 1949
 - combination, in Hodgkin's disease, MOPP-resistant, with Adriamycin, bleomycin, dacarbazine, and vinblastine, 1382

- combination, in lymphoma, malignant, infections in patients treated with, 1018
- combination, in melanoma, malignant, with imidazole carboxamide, BCNU, and vincristine, 41
- combination, in melanoma, malignant disseminated, with BCNU, vincristine, and DTIC, 1
- combination, in melanoma, malignant disseminated, with BCNU, DTIC, vincristine, and chloroprozamine, 5
- combination, in pulmonary carcinoma, advanced squamous cell, with cyclophosphamide, vincristine, and bleomycin, vs. cyclophosphamide alone, 1026
- combination, in pulmonary cancer, small cell, 1959
- combination, in schwannoma, malignant metastatic, with vincristine, Adriamycin, cyclophosphamide, and imidazole carboxamide, 1955
- combination, in tumors, solid, with cyclophosphamide, vincristine, methotrexate, 5-fluorouracil, and prednisone, 21
- in histiocytosis, malignant, in adults, 1011
- in mammary cancer, advanced, combined with hormonal therapy, 2933
- in mammary cancer, disseminated, 2916
- in ovarian cancer, with *Corynebacterium parvum* (intravenous) as adjunct, 514
- in pulmonary carcinoma, advanced squamous cell, cyclophosphamide vs. COMB, 1026
- in rhabdomyosarcoma, prior to radiation therapy in, 665
- Chest, roentgenography, in detection of metastatic, malignant melanoma, 1993
- Childhood
- Adriamycin cardiotoxicity in, 62
- angiofibroma in, nasopharyngeal, 1044
- cancer in, influenza in, 350
- cancer in, parenteral nutritional support, 2665
- cancer in, survivors of, follow-up, 1776
- cystic nephroma in, 1322
- hepatoblastoma in, in infant sister and brother, 2637
- Hodgkin's disease in, Stages I-III, results of staging and treatment, 599
- leukemia in, granulocytic chronic, cytogenetics of, 2017
- leukemia in, lymphoblastic acute, lymphoblasts with T-cell markers in, 2001
- leukemia in, radiation therapy in, 817
- lymphoma in, non-Hodgkin's intestinal localized resectable, radiation therapy in, 89
- lymphoma in, radiation therapy in, 817
- nephroblastomatosis in, infantile massive, 2294
- rhabdomyosarcoma in, combined treatment modalities in, 2415
- rhabdomyosarcoma in, lymphatic metastasis with, 556
- tumor in, neuroectodermal melanotic, infantile, histologic similarities to fetal pineal gland, 1535
- tumors in, solid, Adriamycin remission maintenance therapy in, low-dose, 2411
- Wilms' tumor in, infantile metastatic, and hydrocephalus, 1312
- Wilms' tumor in, radiation therapy in, importance in improved prognosis of, 825
- Chloroprozamine, in melanoma, malignant disseminated, with BCNU, DTIC, and vincristine, 5
- Choriocarcinoma, metastatic, transplanted with cadaver kidney, 1317
- Chorionic gonadotrophin, human, in mammary cancer, 2391
- Chronkhite-Canada syndrome, case report, 2651
- Cigarette smoke, carcinogenic effect of, on human gastric mucosal cells in organ culture, 2520
- Cigarette smoke, lung cancer type in relation to dose, 2568
- Cis-platinum diammine dichloride
- high dose, renal toxicity after, improvement by mannitol diuresis, 1372
- renal pathology of in clinical trials, 1362
- therapeutic index of in animal model, improvement with mannitol diuresis, 1357
- Citrovorum factor, in osteogenic sarcoma, 45
- Clinical trials, and evaluation of cancer screening programs, 1779
- Clinical trials, epidemiologic methods in, 1771
- Clinician, and cancer epidemiology, 1769, 1920
- Clinician, meaning of epidemiology to, 1786
- Clonorchis sinensis* infection in liver, hepatocellular carcinoma in association with, 1306
- Cohort analysis of pancreatic cancer, 1939-1969, 1260
- Colon
- cancer of, fecal bile acids and neutral steroids in, 2533
- cancer of, metabolic epidemiology of, 2533
- carcinoma of, familial, occurrence of, with uterine carcinoma and lymphoproliferative malignancies, 1224, 1229
- cell-cycle parameters in, comparison between adenocarcinomas, benign polyps, and adjacent unaffected mucosa, 1190
- leiomyomatosis of, 263
- Colon interposition, in esophageal carcinoma, intravenous hyperalimentation as adjunct to, 410
- Colorectal cancer
- immune reactions in, tumor-associated, use of permanent cell line extracts in leukocyte migration test, 2378
- surgical considerations in, 891
- vascular invasion in, Duke's B class, prognostic significance, 1195
- Colorectal polyps and carcinoma in Southern Iran, 274
- Colorectal polyps, epidemiology of, in New Orleans, with international comparisons, 2258
- Computer-assisted decision making, in diagnostic planning for patients with Hodgkin's disease, 2426
- Contraceptives, oral
- and breast neoplasia, 1906
- cancer risk related to use during fertile years, 1887
- endometrial carcinoma in users and non-users under 40 years of age, 592

- influence on breast disease, 2764
- Coryneforms, anaerobic, comparative effect on murine melanoma, 2405
- Cryptococcosis in a cancer hospital, 2265
- Crystalcryoglobulinemia, accompanying multiple myeloma, ultrastructure of cells in, 1475
- Crystalloids, protein, in prostatic carcinoma, relationship to Bence-Jones crystals, 2073
- Cyclophosphamide, see Alkylating agents
- Cylindromas, dermal, 2460
- Cyst
- bone, aneurysmal, 2231
 - thymic cervico-mediastinal, with vocal cord paralysis, 347
- Cystadenocarcinoma, biliary, and biliary cystadenoma, 322
- Cystadenoma
- biliary, and biliary cystadenocarcinoma, 322
 - pancreatic, 2470
- Cystic nephroma, 1322
- Cytology
- cells, epithelial, in mammary carcinoma, erythrophagocytosis by, 1085
 - cells, fetal liver syngeneic, growth of human tumors in lethally irradiated mice reconstituted with, 581
 - cells, lacunar, of Hodgkin's disease, nodular sclerosing, 1032
 - cells, leukemic, cell cycle and morphology of, relationship of T-lymphocyte marker, 1101
 - cells, leukemic, lymphocytic chronic, immunologic characterization of, 1109
 - cells, leukocytes, migration inhibition test, in colorectal cancer patient, for study of tumor-associated immune reactions, 2378
 - cells, leukocytic fibrinolysis, in myelomonocytic leukemia, 1618
 - cells, lymphoblasts with T-cell markers, in leukemia, lymphocytic childhood acute, 2001
 - cells, lymphocytes, B, complement receptor, in Hodgkin's disease, nodular sclerosing, 2166
 - cells, lymphocytes, B, distribution in course of acute lymphocytic leukemia, 1489
 - cells, lymphocytes, effects of therapeutic irradiation on, 737
 - cells, lymphocytes, infiltration of, in cervical carcinoma, circumscribed, 2503
 - cells, lymphocytes, null, distribution in course of acute lymphocytic leukemia, 1489
 - cells, lymphocytes, spontaneous rosette formation and rosette inhibition assays, in carcinoma, head and neck, squamous cell, 2137
 - cells, lymphocytes, T, deficit of in cancer patients, thymosin reconstitution of *in vitro*, 575
 - cells, lymphocytes, T, distribution in course of acute lymphocytic leukemia, 1489
 - cells, lymphocytes, T, function in untreated B-cell chronic lymphocytic leukemia, 1168
 - cells, lymphocytes, T, levels during radiation therapy, effect of thymosin *in vitro* on, 642
 - cells, lymphocytes, T, marker, relationship to phase of cell cycle and morphology of leukemic cells, 1101
 - cells, malignant, hyperthermia effect on, *in vivo*, 2637
 - cells, mammary cancer, human, *in vivo*, proliferative patterns of, 1500
 - cells, myeloma, with crystalcryoglobulinemia, ultrastructure of, 1475
 - cells, nevus, aggregates of, associated with lymph nodes, 164
 - cells, seminoma, intratubular, development of solid tumor from, 1090
 - cell-cycle parameters in human colon, comparison between adenocarcinomas, benign polyps, and adjacent unaffected mucosa, 1190
 - cell line, extract of, permanent, in study of tumor-associated immune reactions in colorectal cancer patients by leukocyte migration test, 2378
 - cell line, hamster, spontaneously transformed, tumor-specific transplantation antigens in, 1450
 - cell line, neuroblastoma, isolation and characterization of, from peripheral blood in patients with disseminated disease, 2508
 - cell proliferation, control of, 2747
 - intranuclear rodlets, in intrathyroid tumor associated with hyperparathyroidism, 178
 - mitotic figures, in cervical dysplasia and carcinoma *in situ*, frequency and distribution, 1218
 - thymidine-labelling-index, of mammary carcinoma, enhancement *in vitro* by 5-FU and 5-fluoro-2'-deoxyuridine, 2524
- Cytogenetics, of leukemia, granulocytic chronic juvenile type, 2017
- Cytosine arabinoside, in leukemia, nonlymphocytic adult acute, with 6-thioquinine, remission induction and consolidation, 1387

D, E

- Dacarbazine, in Hodgkin's disease, MOPP-resistant, with Adriamycin, vinblastine, and bleomycin, 1382
- Dactinomycin, see Antibiotics, antitumor
- Diet
- and cancer, 1809
 - and endocrine-related cancer, 1815
 - and metabolism, in large-bowel cancer, 1815
- Diethylstilbestrol exposure, *in utero*, vaginal adenosis and adenocarcinoma associated with, epidemiology of, 1892
- DTIC, dimethyl-triazeno-imidazole carboximide, see Carboxamides
- Duodenum, adenocarcinoma of, primary, 1721
- Dysplasia, cervical, mitotic figures in, frequency and distribution, 1218
- Economic status and survival of cancer patients, 467
- Ectomesenchymoma, 2486
- Embolization, cerebral lipid, postlymphographic, in vena cava superior syndrome, 79
- Endocrine therapy, in breast cancer, advanced, estrogen receptors for, quantitative assessment of, 1971
- Endodermal sinus tumor (yolk sac carcinoma), ultrastructure and histogenesis of gonadal and ex-

- tra-gonadal tumors in comparison with normal human yolk sac, 1462
- Endometrium
- cancer of, therapeutic decision and staging process in "early disease," 959
 - carcinoma of, combined therapy for, preoperative intracavitary irradiation and hysterectomy, 659
 - carcinoma of, in oral contraceptive users and non-users under 40 years of age, 592
 - carcinoma of, management and results, at Instituto Português de Oncologia de Francisco Gentil, 675
 - carcinoma of, management of, 40 years' evolution in, 671
- Enzyme histochemical characterization, in hairy cell leukemia, 2323
- Epidemiology
- cancer, and genetic markers, 1861
 - cancer, and the clinician, 1769, 1920
 - cancer incidence and mortality in Utah, 2608
 - cancer, risk associated with use of oral contraceptives during fertile years, 1887
 - colon cancer, metabolic, 2533
 - colorectal polyps, in New Orleans, with international comparisons, 2258
 - feline leukemia virus, 1850
 - gallbladder carcinoma, in population of Southwestern American Indians, 1267
 - gastric carcinoma, among Hawaiians and Caucasians in Hawaii, 2310
 - Hodgkin's disease, etiologic exposure in, clustering and aggregation, 1829
 - Hodgkin's disease, in Alameda County, California, and Connecticut, histologic subtype and age distribution, 1758
 - Hodgkin's disease, in Finland, 1280
 - lymphoma, intestinal, small, primary, bacterial growth in malabsorption syndrome, in Iran, 2579
 - mammary cancer, etiology of, role of nutrition in, 2704
 - mammary carcinoma, comparative study of pathologic features of, in Tokyo and New York, 429
 - meaning of to clinician, 1786
 - methods of, in clinical trials, 1771
 - occupational cancer, status and needs of research in, 1788
 - occupational exposure to asbestos and vinyl chloride, cancer following, 1792
 - occupational exposure to radiation, as cancer hazard, 1802
 - vaginal adenosis and adenocarcinoma, associated with exposure to stilbestrol *in utero*, 1892
- Epithelioid sarcoma, ultrastructural similarity to nodular synovitis, 143
- Erythrophagocytosis by mammary carcinoma epithelial cells, 1085
- Esophagitis, herpetic, in cancer patients, antemortem diagnosis by brush cytology, 223
- Esophagus
- cancer of, radiation therapy in, 882
 - carcinoma of, intravenous hyperalimentation as adjunct to colon interposition for, 410
- Extremities
- melanoma of, malignant primary, treatment by isolated regional perfusion, 27
 - osteosarcoma of, chemotherapy of, adjuvant combination, 51
- Eye
- ciliary body, leiomyoma of, mesectodermal, 2102
 - retinoblastoma of, and intracranial malignancy, 2048
- F, G, H**
- Familial cancer, double primary cancers in two young sibs, leukemia in another, and dextrocardia in a fourth, 2633
- Familial cancer syndromes, 1867
- Familial colonic and uterine carcinoma, and lymphoproliferative malignancies, 1224, 1229
- Familial hepatoblastoma, 2647
- Familial polyposis, 267
- Fanconi anemia, leading to acute myelomonocytic leukemia, cytogenetic studies, 1163
- Feline leukemia virus, epidemiology of, 1850
- Fever, neutropenia, and malignancy, clinical syndrome in evolution, 1345
- Fever, relationship to bacteremia in cancer patients, 1704
- Fibrinolysis, leukocytic, in myelomonocytic leukemia, 1618
- Fibroadenoma, mammary, adenovirus-type-9-induced, and its malignant transformations, in rats, 2513
- Fibroma, ossifying, of long bones, 2067
- Fibrosis, hepatic congenital, and hepatocellular carcinoma and adult polycystic kidneys, 2619
- Finger, angiosarcoma of, laser surgery of, 1738
- Finland, Hodgkin's disease in, epidemiology and histopathology of, 1280
- Gall bladder, carcinoma of, in population of Southwestern American Indians, 1267
- Gastrointestinal tumors, smooth muscle, pathologic analysis of, 255
- Genetics
- chromosomes, marker 14q+ in nonendemic Burkitt's lymphoma, 1495
 - cytogenetic study of Fanconi anemia leading to acute myelomonocytic leukemia, 1163
 - cytogenetics of leukemia, granulocytic chronic juvenile type 2017
 - genetic factors in etiology of mammary cancer, 2709
 - genetic markers and cancer epidemiology, 1861
 - karyotype, 47,XXY 15s+ in seminoma in Klinefelter's syndrome, 2041
 - mutation, and human cancer, 1882
 - syndromes, familial, in cancer, 1867
- Giant histologic sections, of bladder cancer, 447
- Gingivitis, carcinoma of, basal cell, reported, as peripheral ameloblastoma, 1625
- Glioblastoma multiforme, intracerebral delayed hypersensitivity reactions in, 1328
- Gonad, carcinoma of, yolk sac (endodermal sinus tumor), and extragonadal, ultrastructure and

- histogenesis of, in comparison with normal human yolk sac, 1462
- Granulocytopenia, relationship to bacteremia in cancer patients, 1704
- Granulomas
- epithelioid, obscuring malignant lymphoma, 1146
 - plasma cell, pulmonary, response to radiation therapy, 123
- Gynecologic cancer, carcinoembryonic antigen in, serial plasma values correlated with disease state, 2365
- Gynecologic malignancy, plasma prostaglandins across tumor bed of patients with, 2201
- Hamartoma, pulmonary, ultrastructure of, 1064
- Hamster cells, spontaneously transformed, tumor-specific transplantation antigens in, 1450
- Head and neck
- cancer of, irradiation in management of primary lesion, 862
 - carcinoma of, squamous cell, spontaneous rosette formation and rosette inhibition assays in patients with, 2137
 - carcinoma of, squamous cell, treatment of neck in patients with, 868
 - paragangliomas of, clinical study, 397
- Heart
- cardiac arrest, due to hyperkalemia following therapy for acute lymphoblastic leukemia, 2290
 - cardiomyopathy, Adriamycin, risk factors, 1397
 - cardiotoxicity, Adriamycin, in children, 62
 - tricuspid stenosis, secondary to metastatic melanoma, 1732
- Hemangiopericytoma
- bladder, after polyvinyl alcohol exposure, 1328
 - malignant, radiation therapy in, 1254
- Hepatoblastoma, in infant sister and brother, 2647
- Hepatoma, oral fluorouracil therapy, of, 1930
- Herpetic esophagitis in cancer patients, antemortem diagnosis by brush cytology, 223
- Histiocytoma
- bone, malignant fibrous, fact or fancy, 1508
 - fibrous malignant, associated with bone infarct in sickle-cell disease, 186
 - fibrous malignant, myxoid variant of, 1672
- Histiocytosis
- malignant, blindness in patient with, 1752
 - malignant, chemotherapy of, in adults, 1011
- Histiocytosis-X, advanced, radiation therapy of, with sequential hemibody irradiation, 2435
- Histologic sections, giant, of bladder cancer, 447
- Hodgkin's disease, see Lymphosarcoma
- Hormones
- androgen-induced cancer, possible, 1896
 - antiestrogens, in breast cancer treatment, 2959
 - C₁₉-steroid metabolism, of benign and cancerous human prostatic tissue, correlated with morphology, 1517
 - endocrine-related cancer, and diet, 1820
 - estrogen and progesterone receptors, in mammary cancer, 2934
 - estrogen receptors, for endocrine therapy in breast cancer, advanced, quantitative assessment of, 1971
 - estrogen receptor protein, in breast cancer patient's tumor specimens, 2194
 - exogenous, cancer induction by, 1896
 - in etiology of mammary cancer, JS 20
 - lactogen, human placental, ectopic production of by human breast tumors, 1693
 - prolactin dynamics, in mammary cancer patients, metastatic, following transphenoidal hypophysectomy, 2254
 - stress, influence on transplantability of nonimmunogenic syngeneic murine tumor, 1482
- Hormonal sensitivity, of mammary tumors, *in vitro*, pentose-shunt activity, 1978
- Hormonal therapy, in mammary cancer, advanced, combined with chemotherapy, 2923
- Hormonal therapy, in mammary carcinoma, metastatic, vs. adrenalectomy, 547
- Hydrocephalus, and Wilms' tumor, infantile metastatic, 1312
- Hyperalimentation
- intravenous, as adjunct to colon interposition for esophageal carcinoma, 410
 - intravenous, as adjunct to radiation therapy, 609
- Hyperbaric oxygen
- as adjunct to radiation therapy in cervical cancer, advanced, 617
 - in radiation therapy, 751
- Hypercalcemia, plasma prostaglandins in patients with, associated with neoplastic disease, 1559
- Hyperkalemia, following therapy for acute lymphoblastic leukemia, cardiac arrest due to, 2290
- Hyperparathyroidism
- and thyroid carcinoma, 298
 - intrathyroid tumor associated with, intranuclear rodlets in, 178
 - with hypocalcemia, in aminoglycoside therapy, 1410
- Hyperplasia
- hepatic, focal nodular, concepts of surgical management of, 587
 - progression to neoplasia, in mammary cancer, predicted by angiogenesis, 2697
- Hypersensitivity, delayed, intracerebral, in glioblastoma multiforme patients, 1331
- Hyperthermia, effect on malignant cells *in vivo*, 2637
- Hyperthermic potentiation, biological aspects and applications to radiation therapy, 766
- Hypocalcemia, in aminoglycoside therapy, with hyperparathyroidism and renal tubular dysfunction, 1410
- Hypopharynx, tumors of, irradiation of, preoperative vs. postoperative, 1445

I, J, K

Ileum, polyps of, fibrous inflammatory, 1300

Immunology

- alpha-fetoprotein, in gastric carcinoma metastatic to liver, 1175
- antibody titer, of murine skin grafts, effect of BCG dose, route, and schedule on, 570
- antigen, cancer-associated, in mammary disease,

- benign and malignant, simultaneous assays of, 2806
- antigen, carcinoembryonic, as early indicator for gastrointestinal tumor recurrence and second-look procedures, 440
- antigen, carcinoembryonic, in gastric carcinoma metastatic to liver, 1175
- antigen, carcinoembryonic, in gynecologic cancer, 2365
- antigen, carcinoembryonic, in mammary cancer, 2397
- antigen, HLA, in malignant melanoma, 2342
- antigen, HLA-AW19 and HLA-B5, in bronchogenic carcinoma, prolonged disease-free survival in, 2345
- antigen, HLA, in leukemia, frequency data of, possible effects of non-HLA antibodies in common typing serum on, 2348
- antigen, HLA-linked resistance factors, in leukemia, myelogenous acute, and survival, 2337
- antigen, transplantation tumor-specific, in spontaneously transformed hamster cell lines, 1450
- antigen, tumor-soluble, in mammary cancer, inhibiting leukocyte adherence, 506
- antigen, virus-coded, tumor-associated, in immunodiagnosis of cervical cancer, 1834
- Corynebacterium parvum*, intravenous, in ovarian cancer, as adjunct to chemotherapy, 514
- hyperimmunoglobulinemia-E, associated with brain lymphoma, histiocytic, and recurrent infections, 2386
- immune reaction, tumor-associated, in colorectal cancer patients, studied by use of permanent cell-line extract in leukocyte migration test, 2378
- immune response, to neoplasia, role of IgE in, 11
- immune response, tumor-specific, in active-specific immunotherapy, 565
- immunity, antitumor, in breast cancer, assayed by tube leukocyte adherence inhibition, 494
- immunity, effects of therapeutic irradiation on, 737
- immunocompetence, in Levamisole-treated cancer patients, 487
- immunodiagnostic potential of virus-coded, tumor-associated antigen (AG-4), in cervical cancer, 1834
- immunoglobulin plasma levels, in breast cancer patients, 2190
- immunoglobulin-E, role in immune response to neoplasia, 11
- immunologic characterization of leukemic cells, lymphocytic chronic, 1109
- immunologic characterization of thymoma, 1455
- immunomorphologic lymph node changes, in bronchogenic carcinoma patients, squamous cell, operable, 2371
- immunosuppression, role of prostaglandins in, in human cancer, 2362
- immunotherapy, active-specific, tumor-specific immune response in, 565
- immunotherapy, BCG, in lymphoma, histiocytic, relapse in brain following, remission maintenance, 1977
- immunotherapy, specific-active, new approach in, 560
- leukocyte adherence inhibition, by soluble tumor antigens in breast cancer patients, 506
- leukocyte adherence inhibition, tube assay for antitumor immunity in breast cancer, 494
- paraproteins, IgM λ and γ_1 chains, in abdominal lymphoma patient, asynchronous development of, 2247
- phytohemagglutinin skin tests in cancer patients, 2355
- Infections, in malignant melanoma patients treated with combination chemotherapy, 1018
- Influenza, in children and young adults with cancer, 350
- Instituto Português de Oncologia de Francisco Gentil, endometrial carcinoma treatment program at, 675
- International Union against Cancer, Programme on Clinical Oncology, assessment of response to therapy in advanced breast cancer, 1289
- Intestine (large)
- cancer of, and diet and metabolism, 1815
- lymphoma of, non-Hodgkin's childhood localized resectable, radiation therapy in, 89
- Intestine (small), lymphoma of, primary, bacterial growth in malabsorption syndrome in, in Iran, 2579
- Intracerebral delayed hypersensitivity reactions in glioblastoma multiforme patients, 1331
- Intralymphatic infusion, regional, of irradiated tumor cells, 126
- Iran (Southern), colorectal polyps and carcinoma in, 274
- James Ewing Lecture, 413
- Kidney
- choriocarcinoma of, metastatic, transplanted with cadaver kidney, 1317
- dysfunction of, bleomycin serum pharmacokinetics determined by radioimmunoassay and microbiologic assay in, 1430
- nephroblastomatosis of, infantile massive, 2294
- pathology of, in cis-platinum diammine dichloride clinical trials, 1362
- polycystic adult, and congenital hepatic fibrosis and hepatocellular carcinoma, 2619
- renal tubular dysfunction, with hypocalcemia, in aminoglycoside therapy, 1410
- toxicity of, by cis-platinum diammine dichloride, improvement by mannitol diuresis, 1372
- Klinefelter's syndrome, seminoma in, with 47, XXY, 15s+ karyotype, 2041

L

- Lacunar cells of nodular sclerosing Hodgkin's disease, 1032
- Larynx, cancer of, and hypolarynx, surgery in, complications following, 624
- Lasar surgery of digital angiosarcoma, 1738
- Leiomyoblastoma, uterine, ultrastructure and cytology, 1563
- Leiomyoma

- mesectodermal, of ciliary body, 2102
 - pulmonary, spontaneous regression of during pregnancy, 314
- Leiomyomatosis, colonic, 263
- Leiomyosarcoma, bone, primary, 1664
- Lesion, osteolytic, in monoclonal macroglobulinemia, 227
- Leukemia
- adult, radiation therapy in, 852
 - adult acute, pretreatment proliferative activity in, prognostic significance of, 1603
 - childhood, radiation therapy in, 817
 - following radiation treatment of pelvic disease, 1901
 - granulocytic childhood chronic, cytogenetics of, 2017
 - hairy cell, enzyme histochemical characterization, 2323
 - HLA antigen frequency data in, possible effects of non-HLA antibodies in common typing sera on, 2348
 - lymphoblastic acute, adult respiratory distress syndrome following aggressive management of, 2415
 - lymphoblastic acute, blindness during remission a possible complication of multimodality therapy, 58
 - lymphoblastic acute, hyperkalemia following therapy for, cardiac arrest due to, 2290
 - lymphocytic acute, distribution of T, B, and null lymphocytes during course of, 1489
 - lymphocytic childhood acute, lymphoblasts with T-cell markers in, 2001
 - lymphocytic chronic, and malignant lymphoma, well-differentiated lymphocytic, 999
 - lymphocytic chronic, B-cell, untreated, T-cell function in, 1168
 - myelogenous, initially presenting as cutaneous tumors, multiple granulocytic, 2004
 - myelogenous acute, early deaths in, 1710
 - myelogenous acute, HLA-linked resistance factors and survival in, 2337
 - myelogenous chronic, splenectomy in, in high-risk population, 653
 - myelomonocytic, leukocytic fibrinolysis in, 1618
 - myelomonocytic acute, Fanconi anemia leading to, cytogenetic studies, 1163
 - myelomonocytic acute, with macroglobulinemia and malignant lymphoma, 1156
 - nonlymphocytic adult acute, cytosine arabinoside and 6-thioquanine in remission induction and consolidation of, 1387
- Leukemia virus, feline, epidemiology of, 1850
- Leukemic cells, lymphocytic chronic, immunologic characterization of, 1109
- Leukemic cells, phase of cell cycle and morphology of, relationship of T-lymphocyte marker to, 1101
- Levamisole-treated cancer patients, immunocompetence of, 487
- Liver
- bile duct, carcinoma of, intrahepatic, clinical aspects of, 232
 - biliary cystadenoma and cystadenocarcinoma, 322
 - carcinoma of, Adriamycin in, in patients from Zambia and United States, 1923
 - carcinoma of, 5-fluorouracil in, 1936
 - carcinoma of, hepatocellular, in liver with *Clonorchis sinensis* infection, 1306
 - carcinoma of, primary and metastatic, mitomycin-C and 5-fluorouracil intrahepatic arterial infusion in treatment of, 1425
 - disease of, malignant focal, scintigraphy correlated with short interval autopsy in, 172
 - fibrosis of, congenital, and hepatocellular carcinoma and adult polycystic kidneys, 2619
 - hepatoblastoma, in infant sister and brother, 2647
 - hepatoma of, oral fluorouracil in, 1930
 - hyperplasia of, focal nodular, concepts of surgical management, 587
 - metastases to, from gastric carcinoma, CEA, alpha-fetoprotein, and carcinoembryonic alkaline phosphatase in, 1175
- Lucy Jones Wortham Lecture (Basic Science), 422
- Lung
- adult respiratory distress syndrome, in leukemia patients, lymphoblastic acute, following aggressive management of, 2422
 - amylase in, 1656
 - blastoma of, ultrastructural study, 153
 - cancer of, chemotherapy in, adjuvant, 1415
 - cancer of, cigarette smoke related to type, 2568
 - cancer of, detection program in New York, preliminary report, 369
 - cancer of, histopathology of, changing, 1647
 - cancer of, inoperable, survival with, 303
 - cancer of, small cell, combination chemotherapy in, 1959
 - carcinoma of, advanced squamous cell, chemotherapy of, cyclophosphamide vs. COMB, 1026
 - carcinoma of, radiation therapy in, 901
 - carcinoma of, small-cell anaplastic, bone-marrow examination in staging of, 2563
 - granuloma of, plasma cell, response to radiation therapy, 123
 - hamartoma of, ultrastructure, 1064
 - leiomyomas of, spontaneous regression of during pregnancy, 314
 - metastases to, suspected, correlation of chest x-ray, whole lung tomograms, and operative findings, 383
 - pleura, mesothelioma of, fibrous localized, ultrastructure of, 139
 - tumorlets of, histogenesis and development of, 1135
- Lymphadenopathy, angioimmunoblastic, terminating in Hodgkin's disease, 2183
- Lymphangiography, see Roentgenology
- Lymphatic metastasis, with childhood rhabdomyosarcoma, 556
- Lymph node
- immunomorphological changes in, in bronchogenic carcinoma patients, squamous cell, operable, 2371
 - involvement in mammary carcinoma, vs. level of

- metastasis, 527
 - nevus cell aggregates associated with, 164
 - pelvic, morphology, prognostic significance in cervical carcinoma, 2624
 - Lymph node biopsy, percutaneous, value in lymph-angiographic determination of extent of metastatic carcinoma, 706**
 - Lymphoma**
 - abdominal, monoclonal proteins (IgM λ and γ_1 chains) in patients with, asynchronous development of, 2247
 - brain, histiocytic, associated with hyperimmunoglobulinemia-E and recurrent infections, 2386
 - Burkitt's, nonendemic, marker chromosome 14q+ in, 1495
 - childhood, radiation therapy in, 817
 - gastric, prognosis factors in, 1715
 - histiocytic localized, survival of patients with, 342
 - histiocytic, relapse in brain, following remission maintenance with BCG immunotherapy, 1997
 - histopathologic review of, from Southwest Oncology Group, 1071
 - intestinal (small), primary, bacterial growth in malabsorption syndrome in, in Iran, 2579
 - malignant, combination chemotherapy in, infections in patients treated with, 1018
 - malignant, lymphocytic well-differentiated, and chronic lymphocytic leukemia and macroglobulinemia of Waldenstrom, 999
 - malignant, obscured by concomitant extensive epithelioid granulomas, 1146
 - malignant, with macroglobulinemia and acute myelomonocytic leukemia, 1156
 - mammary, malignant primary, 2033
 - mammary, primary, ultrastructure of, 2025
 - non-Hodgkin's, intestinal, childhood, localized resectable, radiation therapy in, 89
 - non-Hodgkin's, lymphangiograms and gallium scans in, comparison of, 85
 - non-Hodgkin's, radiation therapy in, 843
 - thyroid, malignant, clinicopathologic study of, 1587
 - Lymphoproliferative malignancies, familial occurrence of, with uterine and colonic carcinoma, 1224, 1229**
 - Lymphosarcoma**
 - advanced, combination chemotherapy of, cyclophosphamide, vinblastine, procarbazine and prednisone, with CCNU and vinblastine maintenance, 1949
 - angioimmunoblastic lymphadenopathy terminating as, 2183
 - chemotherapy in, combination, MOPP-resistant, with Adriamycin, bleomycin, dacarbazine, and vinblastine, 1382
 - childhood, Stages I-III, results of staging and treatment, 599
 - diagnostic planning in, with computer-assisted decision making, 2426
 - epidemiology of, in Finland, and histopathology, 1280
 - etiologic exposures in, clustering and aggregation of, 1829
 - histologic subtype and age distribution of, compared in Alameda County, California, and Connecticut, 1758
 - histopathology of, and epidemiology, in Finland, 1280
 - histopathology of, in laparotomy-negative Stage I and Stage II patients, prognostic significance of, 2174
 - nodular sclerosing, complement receptor B lymphocyte in, 2166
 - nodular sclerosing, lacunar cells of, ultrastructure and immunohistology, 1032
 - nodular sclerosing, radiation therapy result for, after clinical staging, 1439
 - radiation therapy in, past achievements and future progress, 837
 - splenic involvement in, Stage IIIA, therapeutic implications of, 2158
 - spleen rupture in, spontaneous pathologic, previously undiagnosed, 354
- M, N**
- Macroglobulinemia**
 - of Waldenstrom and malignant lymphoma, well-differentiated lymphocyte, 999
 - monoclonal, with osteolytic lesions, 227
 - with malignant lymphoma and acute myelomonocytic leukemia, 1156
 - Malaysia Orang Asli, cervical cancer in, rarity of, 1570**
 - Male breast, carcinoma of, small cell, 1748**
 - Malignancy**
 - and fever and neutropenia, a clinical syndrome in evolution, 1345
 - thrombocytosis associated with, extreme, 339
 - Malpractice claims, and cancer, 2573**
 - Mannitol diuresis, in cis-platinum diammine dichloride therapy, 1357**
 - Mannitol diuresis, in renal toxicity caused by high-dose cis-platinum diammine dichloride therapy, 1372**
 - Mastopathy, chronic, and mammary cancer, 2603**
 - Melanoma**
 - malignant, combination chemotherapy of, with imidazole carboxamide, BCNU, and vincristine, 41
 - malignant, desmoplastic, 286
 - malignant, disseminated, combination chemotherapy of, with BCNU, vincristine and DTIC, 1
 - malignant, disseminated, combination chemotherapy in, with BCNU, DTIC, vincristine, and chloroprozamine, 5
 - malignant, HLA antigens in, 2342
 - malignant, metastatic, detection of, by chest roentgenography, 1993
 - malignant, metastatic, tricuspid stenosis secondary

- to, 1732
 - malignant, primary, of extremities, treatment by isolated regional perfusion, 27
 - murine, anaerobic coryneforms in, comparative effect on, 2405
 - Memorial Hospital Post-Mastectomy Rehabilitation Group Program, evaluation of, 478
 - Mesothelioma
 - fibrous malignant, of tunica vaginalis, 2059
 - pleural fibrous localized, ultrastructure of, 139
 - Metabolism, and diet, in large-bowel cancer, 1815
 - Metastatic carcinoma, lymphangiography in determination of extent of, 706
 - Metastasis
 - from cervical carcinoma, to aortic node, biopsy-proven, high-dose irradiation to, 1243
 - from mammary carcinoma, vs. lymph node involvement, 527
 - from renal choriocarcinoma, transplanted with cadaver kidney, 1317
 - from solid tumors, bone marrow involvement in, frequency and significance, 1337
 - lymphatic, with childhood rhabdomyosarcoma, 556
 - mammary, internal untreated, influence on course of mammary cancer, 533
 - pulmonary, suspected, correlation of chest x-ray, whole lung tomograms, and operative findings, 383
 - Mitomycin-C, see Antibiotics, antitumor
 - Mouth
 - buccal mucosa, carcinoma of, squamous cell, associated with chronic oral polyvinyl chloride exposure, 1686
 - carcinoma of, squamous cell, prediction of tumor regression in, by tumor doubling time, 2275
 - carcinoma of, STNMP system for clinicopathological classification and identification of, 204
 - oral cavity and oropharynx, carcinoma of, recurrent, after-loading interstitial ¹⁹²Ir implant in, 2443
 - Murine mammary tumor, viruses of, differences in, 2727
 - Murine melanoma, coryneforms in, anaerobic, comparative effect on, 2405
 - Murine skin grafts, antibody titer and survival of, across weak histocompatibility barrier, effect of BCG dose, route and schedule on, 570
 - Mycosis fungoides, advanced, Adriamycin therapy in, 1967
 - Myelofibrosis, acute, as termination of idiopathic acquired sideroblastic anemia, 359
 - Myeloma
 - multiple, tumor growth patterns in, 1077
 - multiple, with crystalcryoglobulinemia, ultrastructure of, 1475
 - Myxomas, of nasal cavity, paranasal sinuses and nasopharynx, 195
 - Nasal cavity, myxomas of, 195
 - Nasopharynx
 - angiofibroma of, juvenile, ultrastructure, 1044
 - carcinoma of, detection of, from measurements made on lateral neck radiograph, 66
 - myxomas of, 195
 - Neck (see also Head and Neck)
 - treatment of, in patients with head and neck squamous cell carcinoma, 868
 - Negative technique in xeroradiography of the breast, 112
 - Neoplasia
 - Adriamycin in, dose response evaluation, 1940
 - hypercalcemia in patients with, plasma prostaglandins in, 1559
 - immune response to, role of IgE in, 11
 - mammary, and oral contraceptives, 1906
 - ovarian serous, morphogenesis of psammoma bodies in, 2451
 - Nephroblastomatosis, infantile massive, 2294
 - Nephroma, cystic, 1322
 - Nerve
 - radial, angiosarcoma of venous origin arising in, 1556
 - radial, tumor of, malignant granular cell, 1547
 - Nervous tissue in Wilms' tumor, histogenetic significance, 1105
 - Neuroblastoma
 - disseminated, isolation and characterization of neuroblastoma cell line from patient with, 2508
 - olfactory, ultrastructural study, 131
 - Neuroectodermal tumor, melanotic, infantile, histologic similarities to fetal pineal gland, 1535
 - Neurofibromatosis
 - and nephroblastoma (Wilm's tumor), 2550
 - associated with pancreatic adenocarcinoma, 1264
 - Neutropenia, and fever and malignancy, a clinical syndrome in evolution, 1345
 - Nevus cell aggregates associated with lymph nodes, estimated frequency and clinical significance, 164
 - New York lung cancer detection program, preliminary report, 369
 - Nitrosoureas
 - bis-chlorethyl-nitrosourea (BCNU), in melanoma, malignant, with imidazole carboxamide and vincristine, 41
 - bis-chlorethyl-nitrosourea (BCNU), in melanoma, malignant, disseminated, with vincristine and DTIC, 1
 - bis-chlorethyl-nitrosourea (BCNU) in melanoma, malignant, disseminated, with DTIC, vincristine, and chloroprozamine, 5
 - methyl CCNU, in pulmonary carcinoma, advanced squamous cell, with vincristine, cyclophosphamide, and bleomycin, 1026
 - NOMOGRAM, CEA, 440
 - Nutrition, role in the etiology of breast cancer, 2704
 - Nutritional support, parenteral, in children with cancer, 2384
- R**
- Reticuloendotheliosis, leukemic, see Leukemia, hairy cell

- Rectum, cancer of, radiation therapy in, 896
- Respiratory distress syndrome, adult, in leukemia, lymphoblastic acute, following aggressive management, 2422
- Respiratory tract, upper, papillomas of, morphology of, 1634
- Retinoblastoma, and intracranial malignancy, 2048
- Retroperitoneum, tumor of, smooth muscle, pathologic analysis of, 255
- Rhabdomyosarcoma
- chemotherapy prior to radiation therapy in, 665
 - childhood, combined treatment modalities in, 2415
 - childhood, lymphatic metastasis with, 556
- Ribonucleic acid viruses, and cancer, 422
- Ribonuclease, plasma, in detection of ovarian cancer, 2204
- Roentgenology
- high-energy photon and electron beam, 788
 - irradiated tumor cells, regional intralymphatic infusion of, 126
 - irradiation, hemibody sequential, in histiocytosis-X, advanced, 2435
 - irradiation, high-dose, of aortic node metastases, biopsy-proven, from cervical carcinoma, 1243
 - irradiation, intracavitary preoperative, in endometrial carcinoma, followed by hysterectomy, 659
 - irradiation, preoperative, in bladder cancer, and cystectomy, in clinical stages B₂ and C, 973
 - irradiation, preoperative vs. postoperative, in hypopharyngeal tumors, 1445
 - irradiation, single fraction upper half body, radiation pneumonitis as result of, 71
 - irradiation, therapeutic, effect on lymphocytes and immunity, 737
 - irradiation, total body, in generalized malignant disease, with 8 MeV x-rays, 1435
 - ¹⁹²Ir interstitial implant, after-loading, in oral cavity and oropharyngeal carcinoma, recurrent, 2443
 - lymphangiograms and gallium scans, in non-Hodgkin's lymphomas, comparison of, 85
 - lymphangiography, in determination of extent of metastatic carcinoma, 706
 - mammography, in mammary cancer detection, 1984, 2796
 - radiation, occupational exposure to, as cancer hazard, 1802
 - radiation effects, chemical modification of, 987
 - radiation oncology, basic principles in, 689
 - radiation oncology, computerized tomography in, evolving role of, 694
 - radiation oncology, in prostatic cancer, 856
 - radiation oncology, supportive therapy in, 744
 - radiation pneumonitis, incidence as result of single fraction upper half body irradiation, 71
 - radiation therapy, adjuvant, in mammary cancer, 941
 - radiation therapy, hyperbaric oxygen in, 751
 - radiation therapy, hyperthermic potentiation in, 766
 - radiation therapy, in bone sarcomas, 806
 - radiation therapy, in brain tumors, 873
 - radiation therapy, in cervical carcinoma, 945
 - radiation therapy, in cervical cancer, advanced, hyperbaric oxygen as adjuvant to, 617
 - radiation therapy, in childhood leukemia and lymphoma, 817
 - radiation therapy, in esophageal cancer, 882
 - radiation therapy, in head and neck cancer, management of primary lesion, 862
 - radiation therapy, in hemangiopericytoma, malignant, 1254
 - radiation therapy, in histiocytosis-X, advanced, 2435
 - radiation therapy, in Hodgkin's disease, 837
 - radiation therapy, in Hodgkin's disease, results after clinical staging, 1439
 - radiation therapy, in intestinal lymphoma, non-Hodgkin's childhood, localized resectable, 89
 - radiation therapy, in leukemia, adult, 852
 - radiation therapy, in lymphoma non-Hodgkin's, 843
 - radiation therapy, in mammary cancer, adjuvant, 941
 - radiation therapy, in mammary cancer, adjuvant trials, 2846
 - radiation therapy, in mammary cancer, after mastectomy, 2868
 - radiation therapy, in mammary cancer, early stage, without mastectomy, as initial treatment, 917
 - radiation therapy, in mammary cancer, operable, as postoperative treatment, 924, 933
 - radiation therapy, in mammary cancer, with and without actinomycin-D, local soft tissue recurrence of, 1981
 - radiation therapy, in mammary carcinoma, 2840
 - radiation therapy, in pelvic disease, leukemia and other cancer following, 1901
 - radiation therapy, in prostatic cancer, 856
 - radiation therapy, in prostatic carcinoma, localized, 98
 - radiation therapy, in pulmonary carcinoma, 901
 - radiation therapy, in pulmonary granuloma, plasma cell, 123
 - radiation therapy, in rectal cancer, 896
 - radiation therapy in rhabdomyosarcoma, following chemotherapy, 665
 - radiation therapy, in soft tissue tumors, 830
 - radiation therapy, in testicular carcinoma, 981
 - radiation therapy, in tonsillar carcinoma, 604
 - radiation therapy, in Wilms' tumor, childhood, importance in improved prognosis of, 825
 - radiation therapy, intravenous hyperalimentation as adjunct to, 609
 - radiation therapy, particle, 802
 - radiation therapy, patterns of cancer care in, study of, 780
 - radiation therapy, preoperative, before abdominal-perineal resection, 2437
 - radiation therapy, T-cell levels during, effect of thymosin *in vitro* on, 642
 - radiation toxicology, quantitative radiation pathology for predicting effects, 729
 - radiation treatment planning, 719

- radiograph, lateral neck, use in detection of nasopharyngeal carcinoma, 66
- radioimmunoassay, of bleomycin serum pharmacokinetics, in patient with compromised renal function, 1430
- roentgenograms, chest, correlated with whole lung tomograms and operative finding, in determination of pulmonary metastasis, 383
- roentgenography, chest, in detection of metastatic malignant melanoma, 1993
- tomograms, whole lung, correlated with chest x ray and operative finding in determination of pulmonary metastasis, 383
- tomography, computerized, in radiation oncology, 694
- xeroradiography, in mammary cancer detection, 1984
- xeroradiography, mammary, negative technique in, 112
- x rays, 8 MeV, in total body irradiation, in generalized malignant disease, 1435
- O, P**
- Occupational cancer, status and needs of epidemiologic research, 1788
- Occupational exposure to asbestos and vinyl chloride, cancer following, 1792
- Occupational exposure to radiation, as cancer hazard, 1802
- Olfactory neuroblastoma, ultrastructural study, 131
- Oncologist, surgical, 419
- Oncology
- radiation, basic principles in, 689
 - radiation, computerized tomography in, evolving role of, 694
 - radiation, in prostatic cancer, 856
 - radiation, supportive therapy in, 744
- Oral contraceptives, see Contraceptives, oral
- Osteoblastoma, ultrastructure of, 2127
- Osteolytic lesions in monoclonal macroglobulinemia, 227
- Osteosarcoma, of extremity, chemotherapy of, adjuvant combination, 51
- Ovary
- cancer of, advanced resistant, intravenous *Corynebacterium parvum* as adjunct to chemotherapy for, 514
 - cancer of, detection of, plasma ribonuclease in, 2204
 - cancer of, staging and treatment of, advances in, 967
 - carcinoma of, clear cell primary, 2658
 - carcinoma of, squamous cell, arising in benign cystic teratoma, 1237
 - failure of, in breast cancer patients treated with cyclophosphamide, 1403
 - neoplasia of, serous, morphogenesis of psammoma bodies in, 2451
 - teratoma of, benign cystic, squamous carcinoma arising in, 1237
- Oxygen, hyperbaric, in radiation therapy, 751
- Paget's disease, vulvar, extramammary, 2540
- Pancreas
- adenocarcinoma of, with neurofibromatosis, 1264
 - cancer of, cohort analysis of, 1939-1969, 1260
 - carcinoma of, pleomorphic, 2114
 - carcinoma of, sarcomatoid, histologic spectrum, prognosis and histogenesis of, 1181
 - cystadenoma of, ultrastructure, 2470
- Pancreatoblastoma, infantile carcinoma of pancreas, morphogenesis of, 232
- Papillary tumor, mammary intraductal, 1689
- Papillomas, upper respiratory tract, human, morphology of, 1634
- Paranasal sinus, myxomas of, 195
- Paranganglioma, head and neck, clinical study, 397
- Parenteral nutritional support in children with cancer, 2665
- Parotid gland, adenoma of, basal cell membranous, 2460
- Particle radiation therapy, 802
- Pelvic lymph nodes, morphology of, prognostic significance in cervical carcinoma, 2624
- Pelvis, cancer of, radiation therapy of, leukemia and other cancer following, 1901
- Penis, carcinoma of, treatment approach, 456
- Pentose-shunt activity, effect of hormones on in human breast tumors *in vitro*, 1978
- Perfusion, isolated regional, as treatment of melanoma of extremities, malignant primary, 27
- Perianal mucinous adenocarcinoma, 1295
- Pineal gland, fetal, histologic similarities to infantile melanotic neuroectodermal tumor, 1535
- Plasma cell granuloma, pulmonary, response to radiation therapy, 123
- Plasma immunoglobulin levels, in breast cancer patients, 2190
- Plasma prostaglandins, in gynecologic malignancy, 2201
- Plasma protaglandins, in hypercalcemic patients with neoplastic disease, 1559
- Plasma ribonuclease, in detection of ovarian cancer, 2204
- Plasma sialyltransferase levels, in cancer patients, alterations in, 1129
- Pneumonitis, radiation, incidence as result of single fraction upper half body irradiation, 71
- Pneumothorax, spontaneous, bronchogenic carcinoma presenting as, 2286
- Polypsis, familial, 267
- Polyps
- adenomatous, fecal bile acids and neutral steroid in patients with, 2533
 - colonic benign, cell-cycle parameters in, compared with adenocarcinoma and adjacent unaffected mucosa, 1190
 - colorectal, epidemiology of, in New Orleans, with international comparison, 2258
 - ileocecal, fibrous inflammatory, 1300
- Polyvinyl chloride exposure
- chronic, associated with squamous cell carcinoma of buccal mucosa, 1686

- hemangiopericytoma of bladder after, 1328
occupational, cancer after, 1792
Pregnancy, spontaneous regression of pulmonary leiomyomas during, 314
Preneoplasia, mammary, biology of, 2734
Pretreatment proliferative activity, in adult acute leukemia, prognostic significance of, 1603
Procarbazine, in Hodgkin's disease, advanced, with cyclophosphamide, vinblastine, and prednisone, 1949
Proctosigmoidoscopy, in preoperative evaluation of cancer patient, 1743
Proliferation, cellular, control of, 2747
Prostaglandins
 in immunosuppression in human cancer, 2362
 plasma, in gynecologic malignancy, 2201
 plasma, in hypercalcemic patients with neoplastic disease, 1559
Prostate
 benign and cancerous tissue of, correlative study of morphology and C_{19} -steroid metabolism, 1517
 cancer of, postirradiation biopsy in, clinical appraisal, 637
 cancer of, radiation therapy in, 856
 carcinoma of, crystalloids of, relationship to Bence-Jones crystals, 2073
 carcinoma of, disseminated, hypophysectomy in treatment of, 1727
 carcinoma of, localized, radiation therapy in, 98
Protein, estrogen receptor assay, in breast cancer patient's multiple tumor specimens, 2194
Psammoma bodies, morphogenesis of, in ovarian serous neoplasia, 2451
Psychologic aspects of cancer treatment, training oncology fellows, 2584
Psychologic readjustment after mastectomy, 478
Psychophysiologic aspects of cancer, 413
- S**
- Salivary gland
 tumor arising in, malignant mixed, 2209
 tumor of, malignant mixed, clinicopathologic study, 388
Sarcoma
 bone, radiation therapy in, 806
 brain parenchymal, granulocytic, 1542
 epithelioid, ultrastructural similarity to nodular synovitis, 143
 osteogenic, methotrexate-citrovorum factor in, weekly high-dose, in presurgical treatment of primary tumor and overt pulmonary metastases, 45
 tendosynovial, clinicopathologic study, 1201
Sarcomatoid carcinoma of pancreas, histologic spectrum, prognosis, and histogenesis, 1181
Schwannoma, malignant metastatic, combination chemotherapy in, with vincristine, Adriamycin, cyclophosphamide, and imidazole carboxamide, 1955
Scintigraphy, correlation with short interval autopsy in malignant focal liver disease, 172
Screening
 for mammary cancer, early, pros and cons, 2783
 for mammary cancer, evidence from a randomized trial, 2772
Screening programs, cancer, evaluation of, parallels with clinical trials, 1779
Seminoma
 human, histology of, development of solid tumor from intratubular seminoma cells, 1090
 testicular, in Klinefelter's syndrome, with 47,XXY, 15s+ karyotype, 2041
Serum human chorionic gonadotrophin, in mammary cancer, 2391
Sialyltransferase, plasma levels, in cancer patients, alterations in, 1129
Sickle-cell disease, malignant fibrous histiocytoma arising in association with bone infarct in, 186
Skin
 carcinoma of, mucinous primary, 1055
 cylindroma of, 2460
 tumors of, granulocytic multiple, and myelogenous leukemia, 2004
Skin tests, phytohemagglutinin, in cancer patients, 2355
Society of Surgical Oncology Presidential Address, 1976, 419
Soft part tumors, radiation therapy in, 830
Southwestern American Indians, gallbladder carcinoma among, 1267
Southwest Oncology Group histopathologic review of lymphoma cases, 1071
Spleen
 involvement of, in Hodgkin's disease, Stage IIIA, therapeutic implications of, 2158
 rupture of, in previously undiagnosed Hodgkin's disease, spontaneous pathologic, 354
 stromal changes in, in hairy cell leukemia, in enzyme histochemical characterization, 2323
Staging
 clinical, in Hodgkin's disease, radiation therapy results after, 1439
 in endometrial cancer, in "early" disease, and therapeutic decision, 959
 in ovarian cancer, 967
Stenosis, tricuspid, secondary to metastatic melanoma, 1732
Steroids
 prednisone, in Hodgkin's disease, advanced, with cyclophosphamide, vinblastine and procarbazine, 1949
 prednisone, in tumors, solid, with vincristine, methotrexate, 5-FU, and cyclophosphamide, 21
STNMP, new system for the clinicopathological classification and identification of intraoral carcinomas, 204
Stomach
 cancer of, metastatic, streptococcus pneumonia peritonitis in patient with, spontaneous, 2306
 carcinogenic effect of cigarette smoke on mucosal cells of, in organ culture, 2520

- carcinoma of, among Hawaiians and Caucasians, in Hawaii, 2310
carcinoma of, metastatic to liver, CEA, alpha-feto-protein, and carcinoplacental alkaline phosphatase in, 1175
carcinoma of, pathobiological classification of, 2475
lymphoma of, prognosis factors in, 1715
Stress, and stress hormones, influence on transplantability of nonimmunogenic syngeneic murine tumor, 1482
Surgery
 abdominal-perianal resection, natural history of patients after, implications for radiation therapy, 2437
 adrenalectomy, in mammary cancer patients, advanced, 542
 cystectomy, in bladder cancer, with preoperative irradiation in clinical stages B₂ and C, 973
 hypophysectomy, in prostatic carcinoma, disseminated, 1727
 hypophysectomy, taste abnormalities after, relationship to remote effects of cancer, 1700
 hypophysectomy, transphenoidal, for mammary cancer, metastatic, prolactin dynamics following, 2254
 hysterectomy, in endometrial carcinoma, following intracavitary irradiation, 659
 in colorectal cancer, 891
 in hyperplasia, hepatic focal nodular, 587
 in laryngeal and hypolaryngeal cancer, complications following, 624
 lasar, of digital angiosarcoma, 1738
 mastectomy, in mammary cancer, radiation therapy after, 2868
 mastectomy, physical and psychologic readjustment after, 478
 mastectomy, radical, in primary breast cancer, comparison with other treatments, 2827
 preoperative evaluation of cancer patient, barium enema, proctosigmoidoscopy, and upper gastrointestinal series in, 1743
 second-look operation, CEA as early indicator for, 440
 splenectomy, in leukemia, myelogenous chronic, in high-risk population, 653
 the surgical oncologist, 419
 Survival of cancer patients and economic status, 467
 Sweat gland, carcinoma of, mucinous (adenocystic), metastatic, 2556
- T**
- Taste abnormalities, posthypophysectomy, relationship to remote effects of cancer, 1700
Tendosynovial sarcoma, clinicopathologic study, 1201
Teratocarcinoma, testicular, 2317
Teratoma, ovarian, benign cystic, squamous carcinoma arising in, 1237
Testis
 cancer of, familial, 2317
 carcinoma of, radiation therapy in, 981
 seminoma of, in Klinefelter's syndrome, with 47, XXY, 15 s+ karyotype, 2041
 seminoma of, intratubular human, histology of, 1090
 tumor of, malignant, treatment results, and sites and causes of failure, 1247
 tunica vaginalis, mesothelioma of, fibrous malignant, 2059
Thermography, in mammary cancer detection, 1984, 2796
6-Thioquanine, in leukemia, nonlymphocytic adult acute, with cytosine arabinoside, remission induction and consolidation, 1387
Thrombocytosis, extreme, associated with malignancy, 339
Thymic cyst, cervico-mediastinal, with vocal cord paralysis, 347
Thymoma, immunological and ultrastructural characterization of, 1455
Thymomas, 2142
Thymosin, effect on T-cell levels *in vitro* during radiation therapy, 642
Thymosin reconstitution of T-cell deficits *in vitro* in cancer patients, 575
Thyroid
 cancer of, in iodide-rich area, 215
 carcinoma of, and concurrent hyperparathyroidism, 298
 carcinoma of, clear cell primary, with squamous features, 2497
 carcinoma of, fatal, anaplastic transformation of adenocarcinoma, 2588
 carcinoma of, medullary, 1573
 carcinoma of, microfollicular, with amyloid-rich stroma, resembling medullary thyroid carcinoma, 1573
 carcinoma of, mucoepidermoid, 210
 intrathyroid tumor, associated with hyperparathyroidism, intranuclear rodlets in, 178
 lymphoma of, malignant, clinicopathologic study, 1587
Tonsil
 carcinoma of, radiation therapy in, 604
 carcinoma of, squamous cell, in young adults, 632
Toxicology, radiation, quantitative radiation pathology for predicting effects, 729
Transplantation antigens, tumor-specific, in spontaneously transformed hamster cell lines, 1450
Transplantation kidney, metastatic choriocarcinoma in, 1317
Transplantation murine tumor, nonimmunogenic syngeneic, influence of stress and stress hormones on tumor take probability, 1482
Trichoepithelioma, 2460
Tumor
 bone, giant cell, bronchogenic carcinoma simulating, metaplastic squamous, 1119
 brain, and retinoblastoma, 2048
 brain, multiple primary, including medulloblastoma of cerebellum, 293
 brain, radiation therapy in, 873

- brain, viral-like characteristics in cerebrospinal fluids of patients, 2240
cutaneous granulocytic multiple, and myelogenous leukemia, 2004
endodermal sinus (yolk sac carcinoma), ultrastructure and histogenesis of gonadal and extragonadal tumor in comparison with normal human yolk sac, 1462
gastrointestinal and retroperitoneal, smooth muscle, pathologic analysis, 255
gastrointestinal, recurrence of, CEA as early indicator for, 440
human, growth of in lethally irradiated mice reconstituted with syngeneic fetal liver cells, 581
hypopharyngeal, irradiation of, preoperative vs. postoperative, 1445
intrathyroid, associated with hyperparathyroidism, intranuclear rodlets in, 178
mammary, ectopic production of human placental lactogen by, 1693
mammary, hormonal sensitivity of, *in vitro*, pentose-shunt activity, 1978
mammary, murine, viruses of, differences in, 2727
mammary, papillary intraductal, 1689
murine syngeneic nonimmunogenic, transplantability of, influence of stress and stress hormones on, 1482
neuroectodermal melanotic, infantile, histologic similarities to fetal pineal gland, 1535
nonepithelial, of nasal cavity, paranasal sinuses, and nasopharynx, 195
radial nerve, granular cell malignant, 1547
salivary gland, malignant mixed, 388, 2209
soft part, radiation therapy in, 830
solid, childhood Adriamycin remission maintenance therapy in, low-dose, 2411
solid, combination chemotherapy in, with cyclophosphamide, vincristine, methotrexate, 5-fluorouracil, and prednisone, 21
solid, from intratubular seminoma cells, 1090
solid, metastatic, bone marrow involvement by, frequency and significance of, 1337
testicular, malignant, treatment results and sites and causes of failure, 1247
vertebrae above sacrum, giant cell, 1350
Wilms', and neurofibromatosis (Von Recklinghausen's disease), 2550
Wilms', childhood, radiation therapy, importance in improved prognosis, 825
Wilms', infantile, metastatic, and hydrocephalus, 1312
Wilms', nervous tissue in, histogenetic significance, 1105
Tumor cell, irradiated, regional intralymphatic infusion of, with evidence of distant effects, 126
Tumor doubling time, in oral squamous cell carcinoma, prediction of tumor regression with, 2275
Tumor growth patterns in multiple myeloma, 1077
Tumor localization, with ultrasound, 697
Tumor regression, prediction of, by tumor doubling time, in oral squamous cell carcinoma, 2275
Tumorlets, pulmonary, histogenesis and development of, 1135
- U, V, W**
- Ultrasound
in mammary cancer detection, 2796
tumor localization and treatment planning with, 697
Upper gastrointestinal series, in preoperative evaluation of cancer patient, 1743
Urinary tract, cancer of, advanced, Adriamycin in, 279
Utah, low cancer incidence and mortality in, 2608
Uterus
carcinoma of, familial occurrence of, with colonic carcinoma and lymphoproliferative malignancies, 1224, 1229
leiomyoblastoma of, ultrastructure and cytology, 1563
Vagina, adenosis and adenocarcinoma of, associated with stilbestrol exposure *in utero*, epidemiology of, 1892
Vascular invasion, in colorectal cancer, Duke's B Class, prognostic significance, 1195
Vena cava superior syndrome, postlymphographic cerebral lipid embolization in, 79
Venereal factors in human cervical cancer, 1912
Vertebrae, above sacrum, tumor of, giant cell, 1350
Vincristine, see Alkaloids
Virology
adenovirus-type-9-induced mammary fibroadenoma, and malignant transformations, in rats, 2513
viral-like characteristics in cerebrospinal fluids of brain tumor patients, 2240
virus, feline leukemia, epidemiology of, 1850
virus, Herpesvirus-2-coded antigen, tumor-associated, in immunodiagnosis of cervical cancer, 1834
viruses, mammary tumor, murine, differences in, 2727
viruses, RNA, and cancer, 422
Vocal cord paralysis, associated with cervico-mediastinal cyst, 347
von Recklinghausen's disease, see Neurofibromatosis
Vulva, Paget's disease of, extramammary, 2540
Wilms' Tumor, see Tumor, Wilms'
Yolk sac carcinoma (endodermal sinus carcinoma), ultrastructure and histogenesis of gonadal and extragonadal tumors in comparison with normal human yolk sac, 1462

Authors' Index—Volume 39

A

Abadi, P. 2579
 Abe, H. 1175
 Abe, O. 429
 Abell, M. R. 2142
 Ackerman, L. V. 2755
 Adams, M. B. 267
 Aikawa, M. 1563
 Akeson, W. H. 2067
 Akeyama, T. 1175
 Alberto, P. 2923
 Albright, L. 1331
 Alexander, J. C., Jr. 642
 Alexander, M. 1011
 Alexanian, R. 1077
 Alguacil-Garcia, A. 1181
 Allegra, J. C. 1559, 2201, 2362
 Allen, M. S., Jr. 1295
 Altan, S. 2568
 Anagnostou, D. 1032
 Andersen, J. A. 2597
 Andersen, O. F. 79
 Anderson, M. E. 1809
 Angervall, L. 2651
 Ankerst, J. 2513
 Anner, R. M. 1337
 Ansfield, F. J. 34, 1981
 Anthony, P. P. 1923
 Antoniadis, K. 2317
 Antunes, C. M. F. 1896
 Aoki, H. 2041
 Aoki, Y. 1403
 Apostolides, A. 1779
 Archer, V. E. 1802
 Arlin, Z. A. 1101
 Arnold, J. B. 2411
 Arishima, T. 232
 Ashikari, R. 429, 435
 Askin, F. 2415
 Aspin, N. 71
 Aur, R. J. A. 817
 Aurelian, L. 1834
 Axelrod, A. R. 1156
 Axtell, L. M. 1758

B

Baba, S. 1656
 Baez-Giangreco, A. 89
 Baglan, R. J. 2437
 Bagley, D. H. 1743
 Bailar, J. C., III 2783
 Bailey, L. L. 347
 Baker, L. H. 1940

Balcerzak, S. P. 21, 1940
 Bale, J. F., Jr. 2386
 Balogh, K. 227
 Band, P. 2916
 Banfi, A. 2904
 Barcos, M. P. 1752
 Barlow, J. J. 1243
 Barton, B. 2827, 2883
 Bateman, J. R. 1387, 1936
 Batsakis, J. G. 2460
 Battifora, H. A. 1119, 2025
 Bauer, M. 2916
 Bayley, A. C. 1923
 Beals, T. 2460
 Bearden, J. D., III 21
 Beattie, E. J., Jr. 429
 Beaulieu, R. 2378
 Beekhuis, H. 27
 Benarde, M. A. 1260
 Benjamin, R. S. 1397
 Benjamin, S. P. 1300
 Berard, C. W. 1146, 1439, 2323
 Berg, J. W. 467
 Bergholtz, B. 2342
 Bethune, V. 1357
 Bhangui, G. R. 293
 Bing, R. F. 298
 Bitran, J. D. 342
 Bjarnason, O. 215
 Bjornsson, S. 1752
 Black, W. C. 1267
 Bleiberg, H. 1190
 Bloustein, P. A. 1462
 Bluming, A. Z. 2426
 Bodey, G. P. 5, 1018, 1026, 1410, 1603
 Bogaars, H. A. 1475
 Bognel, C. 2081
 Bolande, R. P. 1312
 Bonadonna, G. 2904
 Bondy, P. K. 1959
 Bonnet, J. D. 2286
 Boone, M. L. M. 766
 Bordella, L. D. 817
 Borland, D. 2827
 Bortin, M. M. 581
 Botnick, L. E. 599
 Boyer, P. J. J. 126
 Boyle, L. E. 303
 Bourgeois, C. A. 1163
 Bouzoukis, J. 1224
 Brady, L. W. 751, 917, 2868
 Bragg, K. U. 1758
 Brascho, D. J. 697
 Braylan, R. C. 1146, 2323
 Brenner, D. E. 1559, 2362
 Brennhovd, I. 2342

Brereton, H. D. 1439
 Bricklin, A. S. 1556
 Brooker, R. J. 1923
 Bross, I. 1647
 Broughton, A. 1430
 Brown, B. W. 1077
 Brown, P. W. 542
 Brunner, K. W. 2923
 Bucher, R. L. 210
 Buckingham, W. B. 1119
 Bulbrook, R. D. 2190
 Bull, J. M. 104
 Bullock, A. A. 322
 Burke, J. S. 1587, 1997, 2033
 Burtin, P. 2378
 Butcher, H. R., Jr. 2437
 Butcher, H. 2827
 Butler, J. J. 1071, 1587, 2174, 2033
 Byck, W. 172
 Byers, R. M. 632
 Byrne, G. E., Jr. 1071
 Byron, R. L. 547

C

Cabanas, R. M. 456
 Cabanillas, F. 85
 Cachin, Y. 1445
 Caderao, J. B. 617
 Cady, B. 1715
 Calabresi, P. 1475
 Campbell, T. E. 2460
 Campbell, W. G., Jr. 2647
 Canellos, G. P. 843
 Carbone, P. P. 1289, 2916, 2883
 Cardiff, R. D. 2734
 Cardinale, F. 604
 Carey, L. C. 587
 Carmany, T. B. 1267
 Carruthers, J. S. 71
 Carter, D. 1689
 Carter, S. K. 1415
 Case, D. C., Jr. 1382
 Cassidy, J. R. 89, 599, 825, 2665
 Casson, K. 1430
 Casterline, C. L. 1686
 Casterline, P. F. 1686
 Catalano, P. 440
 Catalano, P. W. 587
 Cavazos, L. F. 1517
 Chabora, B. McC. 806
 Chaffey, J. T. 843
 Chan, P. 637, 1820
 Chang, V. 1563
 Changus, G. W. 153
 Chany, E. 2378

Charles, J.-F. 1517
 Chatten, J. 2294
 Chavanel, G. 2378
 Chen, U. 2603
 Chi, C. H. 1218
 Chi, J. G. 1535
 Chia, K. B. 66
 Chiao, J. W. 1101
 Chretien, P. B. 575, 642, 2345
 Chu, F. 719
 Chu, F. C. H. 1254
 Chung, A. 1237
 Chung, K. J. 62
 Churg, A. M. 1064
 Clarkson, B. D. 1101
 Clemente, M. P. 1634
 Clink, H. M. 1710
 Cohen, L. 1820
 Cohen, S. M. 41
 Cohn, I., Jr. 2827
 Colcher, D. 2727
 Cole, N. G., Jr. 314
 Cole, P. 1788
 Cole, P. T. 1906
 Colin, C. 2806
 Coltman, C. A., Jr. 21, 1071
 Condon, R. E. 267
 Cooper, J. F. 637
 Copeland, E. M. 410, 609
 Cornell, G. 34
 Correa, P. 1758, 2258
 Cossman, J. 2166
 Costanzi, J. J. 21
 Coulthard, S. W. 2137
 Craft, K. 565
 Crooke, S. T. 1430
 Cruz, A. B. 2827
 Cuatico, W. 2240
 Cubilla, A. L. 397
 Cummings, F. J. 1475
 Cummins, S. D. 322
 Cvitkovic, E. 1357, 1362, 1372

D

Dahlin, D. C. 1350, 1508
 Daniels, J. R. 1011
 Danis, P. 2048
 Das, B. 1425
 Das, J. B. 2665
 da Silva, J. N. 675
 Davis, H., Jr. 34, 62, 1328, 1981
 Dean, J. H. 1229
 Deboel, M. C. 1971
 De Chadarevian, J. P. 1312, 2294
 DeCosse, J. J. 267
 Deegan, M. J. 2137, 2166
 DeLeon, G. 744
 Dellon, A. L. 2345
 Demers, L. M. 1559, 2201, 2362

Dermer, G. R. 178
 Desforges, J. F. 2426
 Deutsch, M. 2827
 Dewulf, L. M. 1435
 Diamond, I. 1475
 Dickman, P. S. 2067
 Diggs, C. H. 1949, 1967
 Dirmikis, S. M. 298
 DiSaia, P. J. 2365
 Dobrow, R. B. 354
 Dodd, G. D. 2796
 Dombernowsky, P. 2563
 Donaldson, E. S. 2624
 Donegan, W. 2827
 Donegan, W. L. 533
 Doniach, I. 215
 Dooling, E. C. 1535
 Doppman, J. L. 383, 1743
 Doshi, N. 2658
 Dowling, M. D., Jr. 1101
 Drewinko, B. 1077, 1337
 Drohan, W. 2727
 Druet, R. 1563
 DuBois, D. 2348
 Dubrow, R. 2747
 Dudrick, S. J. 410, 609
 Durkin, W. J. 1936
 Dwyer, J. M. 11
 Dyce, B. J. 2365

E

Early, M. E. 587
 Economou, S. 2883
 Egan, R. L. 1984
 Ehrlich, C. 2540
 Eibergen, R. 27
 Eimoto, T. 2059
 Einhorn, L. 1430, 2290
 Elguezal, A. 1542
 Eltringham, J. R. 659
 Enker, W. E. 565
 Enzinger, F. M. 1672
 Evans, A. E. 1489, 2001
 Eylan, E. 1450

F

Facher, R. 2524
 Farr, H. W. 397
 Fasal, E. 1887
 Faulkin, L. J. 2734
 Fechner, R. E. 2764
 Feder, B. H. 2443
 Feld, R. 1018
 Feldman, S. 350
 Felix, E. L. 1743
 Ferenczy, A. 2451
 Fernandez, C. H. 665, 2174
 Fernandez, L. A. 1168
 Fessas, P. 2183
 Filler, R. 599

Filler, R. M. 89, 825, 2665
 Fischer, J. J. 604
 Fisher, B. 2827, 2883
 Fisher, E. R. 2497, 2827, 2883
 Fisher, R. I. 867
 Flehinger, B. 369
 Fletcher, B. D. 2294
 Fletcher, G. H. 617, 862, 868, 2868
 Floch, H. H. 1517
 Flores, M. 494
 Fogelberg, M. G. 79
 Font, R. L. 2102
 Forrest, A. P. M. 2813
 Fortner, J. G. 1201, 1254
 Foster, R. 2883
 Fracchia, A. 2194
 Franchimont, P. 2806
 Franssila, K. O. 1280
 Frazier, T. G. 410
 Frederiksen, P. 1664
 Frei, E., III 45, 1603
 Frelick, R. 2883
 Freni, S. C. 263
 Freireich, E. J. 1603
 Fried, J. 1101
 Friedell, G. H. 447
 Fu, K. K. 1247
 Fu, Y.-S. 195
 Fudenberg, H. H. 2247
 Fujisawa, T. 506
 Fuller, L. M. 1587, 2174
 Fung, C. H. 153
 Fung, C. H. K. 2470

G

Galand, P. 1190
 Galian, A. 2081
 Gall, A. M. 624
 Gallager, H. S. 527, 2280
 Gallo, G. E. 1322
 Gamble, J. F. 2174
 Gamez-Araujo, J. J. 527
 Gardner, B. 2827
 Gardner, D. G. 1625
 Gardner, J. W. 2608
 Garza-Garza, R. 2114
 Gehan, E. A. 303, 2174
 George, F. W., III 2443
 George, J. 560
 George, S. L. 1603
 Gerner, E. W. 766
 Gerson, J. M. 2508
 Ghassemi, H. 274
 Ghazi, A. 1721
 Gilbert, H. 637
 Gilby, E. D. 1959
 Gill, F. A. 1704
 Gilles, F. H. 1535

Gillin, M. A. 2201, 2362
 Glass, A. 2883
 Glassburn, J. R. 751
 Glatstein, E. 837
 Goergen, T. G. 2067
 Gokel, J. M. 1317
 Golbey, R. B. 1372
 Gold, R. H. 186
 Goldenberg, I. S. 917
 Goldman, L. 1738
 Goldman, R. L. 1955
 Goldstein, A. L. 642
 Goldstein, G. T. 1984
 Golomb, H. M. 342
 Gonzalez-Vitale, J. C. 1362
 Good, R. A. 1101
 Goodman, R. 599
 Goodwin, P. R. 2190
 Gordon, J. 637
 Gorshein, D. 1700
 Gottlieb, J. A. 1397
 Gottlieb, J. E. 1940
 Gottlieb-Stematsky, T. 1450
 Grabstald, H. 279
 Granston, A. S. 123
 Greco, A. 1146
 Greco, M. 2822
 Greenspan, E. M. 41
 Greenspan, R. H. 1993
 Griem, M. L. 342
 Griffin, T. W. 2435
 Grimes, E. T. 227
 Grinspan, S. 314
 Grosser, N. 494
 Grufferman, S. 1829
 Grumet, G. N. 1940
 Guirgis, H. A. 1867
 Guiss, L. W. 419
 Gullino, P. M. 2697
 Gutierrez, A. C. 1026, 1647
 Gutterman, J. U. 1997

H

Haghighi, P. 274
 Hainau, B. 2563
 Hajdu, S. I. 1201
 Hakami, M. M. 153
 Hall, J. A. 2540
 Hancock, B. W. 298
 Hann, H.-W. L. 1489, 2001
 Hansen, H. H. 2563
 Hanson, S. M. 1224
 Harada, T. 2588
 Hardy, W. D., Jr. 1850
 Harman, J. A. 314
 Harris, J. 917
 Harris, J. R. 2840
 Harris, R. E. 1867
 Hart, J. S. 1603
 Hartman, A. S. 1715
 Harvey, H. 2948

Harvey, H. A. 1559, 2201, 2362
 Harvey, P. W. 204
 Hashimoto, M. 232
 Hasumi, K. 2503
 Hawk, W. A. 1300
 Haverback, B. J. 2365
 Hayes, A. A. 1850
 Hayes, D. M. 1362, 1372
 Haynie, T. P. 85
 Hays, D. M. 556
 Hayward, J. L. 1289, 2190
 Headington, J. T. 1055, 2460
 Heiskala, H. J. 1280
 Heiskala, M. K. 1280
 Hellman, S. 843, 917, 2840
 Helmig, O. 1664
 Helson, L. 1372
 Henderson, E. S. 1752
 Henderson, M. 1129, 1779
 Hendrick, J. C. 2806
 Herberman, R. B. 1224, 1229
 Herbst, A. L. 1892
 Herdt, J. 1439
 Herman, D. 1267
 Hersh, E. M. 1
 Herzog, K. A. 1247
 Heskell, N. 744
 Hess, P. W. 1850
 Hester, J. P. 653
 Heusinkveld, R. S. 1955
 Heuson, J. C. 1971
 Hewlett, J. S. 1
 Hewlett, R. I. 2422
 Hidvegi, D. F. 131, 1119
 Higgins, G. A., Jr. 891
 Hilde, R. L., Jr. 347
 Hilf, R. 539
 Hill, F. G. H. 1163
 Hill, G. 34
 Hill, H. R. 2386
 Hill, P. 1820
 Hirose, K. 2041
 Hirota, T. 429
 Hirsch, F. 2563
 Hizawa, K. 1547
 Hoffman, J. 1500
 Hokanson, J. A. 1077
 Hollinshead, A. C. 1229
 Holmes, E. J. 2073
 Holstein, A. F. 1090
 Hoogstraten, B. 1940
 Hoover, S. V. 123
 Horie, A. 247
 Horstmann, J. P. 314
 Horwitz, K. B. 2934
 Hosoda, Y. 2588
 Houten, L. 1647
 Hudson, T. R. 123
 Hulihan, B. 560
 Hummeler, K. 2508
 Hurtubise, P. E. 440
 Hussain, S. S. 2451
 Hustu, H. O. 817
 Hustu, O. 51

Huvos, A. G. 388, 435
 Huys, J. V. 1435
 Hvizdala, E. V. 2411

I

Imao, S. 2041
 Incze, J. S. 1634
 Ingle, J. N. 104
 Inoue, I. 2059
 Inoue, S. 2017
 Ishak, K. G. 322
 Ishiguro, S. 1175
 Ishii, S. 1547
 Ishikawa, S. 429
 Ismail-Beigi, F. 2579
 Isner, J. 2306
 Isurugi, K. 2041
 Ito, K. 2588
 Iwanaga, T. 1403

J

Jacobitz, J. L. 565
 Jacobs, W. 547
 Jaffe, E. S. 1146, 2323
 Jaffe, N. 45, 89, 599, 825, 2665
 Jaiswal, M. S. D. 1425
 Jakobiec, F. A. 2048, 2102
 James, K. K. 440
 Jameson, B. 1710
 Jaques, D. A. 1686
 Jensen, M. K. 1495
 Jensen, O. M. 1664
 Jessee, R. H. 862, 868
 Jeuson, J.-C. 1289
 Jewell, W. R. 1732
 Jing, B.-S. 706
 Jinnouchi, S. 232
 Johnson, G. H. 659
 Johnson, J. 1738
 Johnson, R. E. 852, 1439
 Johnson, W. D. 2258
 Johnston, W. D. 632
 Jones, S. E. 1071, 1955
 Jonsson, N. 2513
 Joo, P. 62
 Juillard, G. J. F. 126
 Jussawalla, D. J. 1693

K

Kaakinen, A. 2342
 Kagan, A. R. 637
 Kalderon, A. E. 1475
 Kalousek, D. K. 1312
 Kamada, T. 1175
 Kampert, J. B. 1887
 Kaplan, H. S. 689
 Kaplan, M. H. 2265

Kaplan, S. R. 1475
 Karcioglu, Z. 2486
 Katzenstein, A. L. 2755
 Kaufman, C. 178
 Kaufmann, M. 2371
 Kay, H. E. M. 1710
 Keating, M. J. 1410
 Keating, J. 547
 Keeman, J. N. 263
 Keller, R. T. 1264
 Kelly, H. 1482
 Kempson, R. L. 255
 Kenady, D. E. 575, 642
 Kendall, J. 2948
 Kennedy, P. S. 1930
 Kessel, D. 1129
 Kessler, I. I. 1912
 Ketcham, A. S. 1743
 Kettmann, R. 2727
 Key, C. R. 1267
 Khalil, K. G. 410
 Khankhanian, N. 1195
 Khoo, F. Y. 66
 Kim, W. S. 2497
 Kindblom, L.-G. 2651
 King, M.-C. 1861
 Kinzie, J. 342
 Kirschner, M. A. 2716
 Kissane, J. M. 2114, 2619
 Klauber, M. R. 2608
 Klein, D. J. 1752
 Klepp, O. 2342
 Kligerman, M. M. 896
 Klotz, J. 34
 Klouda, P. T. 2337
 Knudson, A. G., Jr. 1882
 Koch, D. F. 123
 Kodlin, D. 2603
 Kojiro, M. 232
 Komp, D. M. 2411
 Konvolinka, C. 2827
 Koprowski, H. 560
 Kosaki, G. 1403
 Kostianovsky, M. 143
 Kotoo, Y. 247
 Koyama, H. 1403
 Krakoff, I. H. 279, 1372
 Kramer, S. 780, 917
 Krishnamurthy, M. 1542
 Krumerman, M. S. 1237
 Kubo, H. 2503
 Kubo, Y. 232
 Kumaoka, S. 1289
 Kumar, A. P. M. 51
 Kuo, T.-T. 1105
 Kuno, K. 1820
 Kurdyak, R. 71
 Kvols, L. K. 1949

L

Lack, E. E. 397
 Lagakos, S. W. 1026

Lagerlöf, B. 1218
 Lane, M. 5, 21, 1930
 Lane, W. W. 1647
 Langdon, J. D. 204
 Langley, G. R. 1168
 Lanzotti, V. J. 303
 Lapes, M. 2317
 Latourette, H. B. 467
 Laughlin, J. S. 719
 Law, I. P. 1224, 1229
 Lawler, S. D. 2337
 Lawrence, W., Jr. 542, 556, 2827
 Lawton, R. 2827
 Leav, I. 1517
 Leb, L. 227
 Lecestre, M.-J. 2081
 Leclercq, G. 1971
 Lee, B. J., III 1382
 Lee, E. T. 1397
 Lee, F. A. 2415
 Lee, P.-K. 1175
 Lee, S. C. 2540
 Le Fur, R. 1445
 Legha, S. S. 1415
 LeGovan, D. P. 2142
 LeHane, D. E. 1930
 Leith, J. T. 766
 Lerner, H. 2883
 Lesnick, G. 2827
 Lessner, H. E. 1796
 Levene, M. B. 2840
 Levene, M. B. 917
 Leventhal, B. G. 58
 Levi, J. A. 1949, 1967, 2158
 Levine, A. S. 1704
 Levitt, M. 2883
 Levitt, S. H. 924, 933, 2868
 Levy, M. 2275
 Lewis, G. C., Jr. 959
 Lewis, J. L., Jr. 514
 Lewis, J. P. 1387
 Li, F. P. 1776, 2633
 Lightdale, C. J. 223
 Ligorsky, R. D. 1156
 Lim, F. E. 1715
 Lindberg, R. D. 617
 Lindstrom, E. R. 2437
 Link, J. S. 1936
 Linman, J. W. 1387
 Lipton, A. 1559, 2201, 2362, 2948
 LiVolsi, V. A. 2209
 Lo, J. W. 153
 Lo, J. W. 2470
 LoBuglio, A. F. 2355
 Logan, G. M., Jr. 1264
 London, W. T. 1489, 2001
 Long, J. C. 1146, 2004
 Longeval, E. 1971
 Lopes-Virella, M. F. 2247
 Loukopoulos, D. 2183
 Lowenfels, A. B. 1809
 Lozzi, L. 2317
 Lu, T. 2204
 Luce, J. K. 1, 5

Luderer, J. R. 1559, 2362
 Luft, F. 1430
 Lui, P. S. 1634
 Luini, A. 2822
 Lukes, R. J. 1032
 Lusciote, P. 2371
 Lynch, H. T. 1867
 Lynch, J. F. 1867
 Lynch, P. M. 1867
 Lyon, J. L. 2608

M

MacDonald, J. S. 2306
 MacEwen, E. G. 1850
 MacFadyen, B. V., Jr. 609
 MacFarlane, J. 2883
 MacFarlane, J. K. 494
 Mackie, G. G. 1312
 Maclowry, J. D. 1704
 MacMahon, B. 1920
 MacSween, J. M. 1168
 Madoc-Jones, H. 2174
 Maeda, M. 1656
 Maier, J. G. 981
 Makowski, E. L. 592
 Mambo, N. C. 2033, 2280
 Mandell, G. H. 1156
 Manes, J. L. 2619
 Mansfield, C. M. 917
 Marafioti, R. 186
 Marcial, V. A. 945
 Marcucci, R. A. 223
 Margileth, D. A. 58
 Margolese, R. 2827, 2883
 Marin-Padilla, M. 1085
 Marshall, G. J. 1387
 Marti, J. H. 494
 Martin, E. W., Jr. 440, 587
 Martin, J. 1357
 Martinez, N. 2470
 Martinez-Hernandez, A. 1462
 Martini, N. 369
 Martz, G. 2923
 Masters, J. R. W. 1978
 Mastromarino, A. 1815
 Masubuchi, K. 2503
 Masuzawa, M. 1175
 Matallana, R. H. 112
 Mathes, S. J. 2486
 Matsuno, T. 1508
 Mattheim, W. H. 1971
 Mattson, J. C. 1573
 Matuchansky, C. 2081
 Maunoury, M. T. 2378
 Maurice, P. 2923
 Maylight, G. M. 1195, 1997
 McBride, C. M. 527, 653
 McCabe, E. 2275
 McCarthy, T. 126
 McClelland, A. J. 1850

Rao, B. 514
 Rapidis, A. D. 204
 Rapp, M. A. 609
 Rappaport, H. 999
 Ratner, L. H. 41
 Raventos, A. 941
 Ravindranath, Y. 2017
 Razek, A. A. 2415
 Reddy, B. S. 1815, 2533
 Redmond, C. 2827, 2883
 Reif, A. 2258
 Rellahan, W. 2310
 Resnick, D. 2067
 Reuter, A. 2806
 Rhatigan, R. M. 210
 Rhode, M. C. 1224, 1229
 Richard, J. M. 1445
 Richards, M. J. S. 62, 1981
 Rider, W. D. 71
 Ridolfi, R. L. 164
 Riïhimaki, D. U. 547
 Rilke, F. 2822
 Rimm, A. A. 581
 Rivera, G. 51
 Rivkin, S. E. 21, 1940
 Rjosk, H. K. 1317
 Roberts, T. 1295
 Robbins, G. F. 478
 Robinson, R. 1704
 Roche, W. D. 592
 Rockoff, S. D. 694
 Rodriguez, V. 85
 Rogentine, G. N., Jr. 2345
 Rogow, L. 744
 Roque, J. L. 210
 Rossato, E. 560
 Rose, W. C. 581
 Rosen, G. 806
 Rosen, P. P. 164, 429, 2194, 2265
 Rosenbaum, J. T. 11
 Rosencrantz, N. M. 79
 Rosenthal, D. S. 843
 Rosenzweig, M. 2568
 Ross, R. 467
 Rossi, A. 2904
 Roth, L. M. 2540
 Rothman, K. J. 1771
 Rotman, M. 744
 Roy, S. 293
 Rubens, R. D. 1289
 Rubin, P. 729
 Rubio, C. A. 1218
 Ruby, E. B. 2948
 Ruitter, D. J. 172, 2231
 Rushton, H. W. 1556
 Russell, R. M. 2579
 Russell, W. O. 830, 1195
 Rzepka, T. 1647

S

Sabine, M. C. 2378
 Saccozzi, R. 2822
 Sadri, S. 274
 Saeki, S. 1656
 Safran, C. 2426

Sahgal, S. 1748
 Saibil, E. A. 71
 Saiki, J. H. 21
 Sakamoto, G. 2503
 Sakamoto, K. 1306
 Salhadin, A. 1190
 Salmon, S. E. 1940
 Saltzstein, E. C. 581
 Saltzstein, S. L. 2067
 Salvadori, B. 2822
 Salyer, W. R. 223
 Samaan, N. A. 1410
 Samojlik, E. 2948
 Samuels, M. L. 303
 Sancho, H. 1445
 Sangster, K. 1978
 Santen, R. J. 2948
 Santesson, B. 2651
 Sasaki, T. 1547
 Satchidanand, Y. 1752
 Savlov, E. D. 539
 Sawa, Y. 232
 Schabel, F. M., Jr. 2875
 Schein, P. S. 2306
 Scheiner, E. 1372
 Schelstraete, K. H. 1435
 Scheurer, J. 2371
 Schimek, M. 1195
 Schlesinger, H. R. 2508
 Schlom, J. 2727
 Schnitzer, B. 2166
 Scholhamer, C. F. 2573
 Schraffordt Koops, H. 27
 Schulze, C. 1090
 Schwarz, G. 2827
 Schwartz, M. K. 2194
 Scotto, J. 2081
 Seab, J. A. 1331
 Seal, U. S. 2254
 Sealy, R. 2275
 Segaloff, A. 1289, 2934
 Selander, S. 2651
 Selawry, O. S. 1026
 Seligman, B. R. 1542
 Senn, H. J. 2923
 Sereni, P. 2508
 Sessions, D. G. 624
 Sethi, M. R. 1410
 Shanks, E. 51
 Shapiro, S. 2772
 Sheid, B. 2204
 Sheikholeslami, M. H. 274
 Sheline, G. E. 873
 Sherwin, R. P. 178
 Sheth, A. R. 1693
 Sheth, N. A. 1693
 Shibata, H. 2883
 Shimano, T. 1175
 Shimaoka, K. 2588
 Shimokawa, Y. 232
 Shiu, M. H. 1201
 Silverberg, G. D. 1727
 Silverberg, S. G. 592, 1462
 Silverman, D. T. 1758
 Simeone, J. F. 1993

Simmons, J. L. 2460
 Simmons, M. E. 1887
 Simon, R. M. 104, 575, 642, 2391, 2397
 Simons, M. J. 1435
 Simone, J. 817
 Simpson, L. 719
 Sindelar, W. F. 1743
 Singer, F. R. 1573
 Singh, R. V. 1425
 Skarin, A. T. 843
 Sklarew, R. J. 1500
 Slack, N. H. 959
 Smart, C. R. 2608
 Smith, F. E. 1930
 Smith, I. E. 1710
 Smith, I. I. 1978
 Smith, J. 51
 Smith, J. A., III, 527
 Smith, K. 817
 Smith, M. F. 1834
 Smith, P. G. 1901
 Smith, T. L. 303
 Smith, T. R. 347
 Snow, H. D. 126
 Snyder, J. J. 2397
 Snyder, R. D. 1997
 Snyder, R. E. 435
 Soares, A. D. 2247
 Soban, E. J. 2323
 Someren, A. 2486
 Song, C. W. 933
 Sonntag, R. W. 2923
 Soriano, R. 143
 Soto, E. A. 447
 Souchon, E. A. 609
 Spaander, P. J. 172
 Sparks, F. C. 570
 Spaulding, J. 1357
 Sperry, H. 1752
 Spigel, S. C. 21, 339
 Spira, I. A. 1721
 Spiro, R. H. 388
 Stay, E. J. 2550
 Steiner, G. C. 2127
 Stelter, W.-J. 1317
 Stemmermann, G. 2310
 Stenchever, M. A. 659
 Steplewski, Z. 560
 Sternberg, S. S. 1362
 Stewart, A. 2290
 Stewart, J. R. 659
 Stinson, J. C. 2556
 Stjernsward, J. 2371, 2846
 Stolley, P. D. 1896
 Stone, F. J. 1064
 Stone, W. D. 2460
 Strnad, B. C. 1834
 Strong, E. W. 388
 Strong, J. 1430
 Strong, J. P. 2258
 Strong, M. S. 1634
 Such, E. 2883
 Sugano, H. 2503
 Sugg, M. 350

Suit, H. D. 830
 Sullivan, M. P. 2174
 Sultan, L. 2822
 Sumithran, E. 1570
 Suraiya, J. N. 1693
 Sweet, D. L. 342
 Syed, A. M. N. 2443
 Sylvester, R. J. 1971
 Szwed, J. 2290

T

Taconis, W. K. 172
 Tagnon, H. J. 2959
 Takita, H. 1647
 Talarico, L. 1618
 Talens, M. 2451
 Talley, R. W. 1. 5
 Tan, M. S. C. 547
 Tan, E. G. C. 1715
 Tandon, P. N. 293
 Tapley, N. DuV. 788
 Tavares, M. A. 675
 Taxy, J. B. 131, 1044
 Tayler, R. 2520
 Taylor, C. R. 1032
 Taylor, W. J. 856
 Tefft, M. 665, 806
 Temin, H. M. 422
 Terasawa, T. 1403
 Terz, J. J. 542
 Thaler, H. 164, 429
 Theologides, A. 2254
 Thomas, J. H. 1732
 Thompson, J. R. 1077
 Thompson, R. I. 2017
 Thompson, R. J., Jr. 347
 Thomson, D. M. P. 494
 Thomas, D. R. 303
 Thorsby, E. 2342
 Tiltman, A. J. 447
 Tindle, B. H. 1032
 Tobon, H. 2658
 Topolosky, H. W. 587
 Tormey, D. 2916
 Tormey, D. C. 104, 2391, 2397
 Traggis, D. 45, 89, 2665, 2674
 Trautlein, J. 2201
 Trautlein, J. J. 2362
 Trowbridge, A. A. 359
 Truitt, R. L. 581
 Tschang, T.-P. 2114
 Tschlis, P. N. 2426
 Tso, M. O. M. 2048, 2102
 Turnbull, R. B. 1300
 Tye, C. Y. 66
 Tyschenko, W. 2240

U

Ultmann, J. E. 342
 Unni, K. K. 1508
 Urban, J. A. 429, 2194
 Uslenghi, C. 2822
 Usui, M. 1547

V

Vaitkevicius, V. K. 5
 Valagussa, P. 2904
 Valdes, A. J. 2619
 Valdivieso, M. 1997
 Valensi, Q. J. 286
 Valenta, L. J. 1573
 Vandenbrouck, C. 1445
 van Der Ploeg, E. 27
 van der Velde, E. A. 2231
 van Dyke, A. H. 2624
 van Nagell, J. R., Jr. 2624
 van Rijssel, Th. G. 2231
 Variakojis, D. 342
 Vaughan, C. W. 1634
 Vawter, G. F. 89, 2550
 Vermey, A. 27
 Veronesi, U. 2822, 2904
 Vietti, T. 2415
 Vilhena, M. 675
 Vincent, R. G. 1647
 Virella, G. 2247
 Vivacqua, R. 2317
 Vlahakis, G. 2727
 Vogel, C. L. 1923
 Volk, H. 2827, 2883

W

Waalkes, T. P. 2391, 2397
 Wada, A. 1403
 Wada, T. 1403
 Waldman, S. R. 506
 Wallace, S. 706
 Wallack, M. K. 560
 Wallner, P. E. 917
 Walz, B. J. 2437
 Wanebo, H. J. 514
 Wang, D. Y. 2190
 Watson, R. C. 279, 719
 Watts, H. 45
 Webster, R. G. 350
 Weiland, L. H. 1181
 Weiner, M. J. 41
 Weinfeld, U. A. 79
 Weisenburger, T. H. 126
 Weiss, J. M. 1247
 Weiss, S. W. 1672
 Weiss, W. 1260, 2568
 Weiss, W. A. 2568
 Wellings, S. R. 2734
 Wells, S. A. 2948
 Westin, J. E. 79
 Weintraub, L. R. 1618
 Whang-Peng, J. 1229
 Wharton, J. T. 617
 White, D. 2201
 White, D. S. 2362
 White, E. C. 527
 Whiteside, T. L. 1109
 Whitmore, W. F. 279, 1357

Wiernik, P. H. 1949, 1967, 2158
 Wildermuth, O. 671
 Wile, A. G. 570
 Williams, E. D. 215
 Wilkins, S. A., Jr. 487
 Willis, G. W. 322
 Wilson, A. F. 2422
 Wilson, D. 2290
 Wilson, H. E. 1026
 Wilson, J. F. 2386
 Wilson, W. 34
 Winger, E. E. 2603
 Winick, L. 478
 Winkelstein, A. 1109
 Wirth, K. 2371
 Wise, T. N. 2584
 Wissler, R. W. 565
 Witte, J. 1317
 Wittliff, J. L. 539
 Woldron, R., Jr. 2240
 Wolf, D. J. 223
 Wolff, W. I. 1721
 Wood, E. G. 2624
 Woodruff, J. M. 397
 Wronkowski, Z. 2310
 Wynder, E. 1815, 1820
 Wynder, E. L. 2533

Y

Yagoda, A. 279
 Yakumaru, K. 2588
 Yamamoto, H. 429
 Yamamoto, T. 1403
 Yamasaki, T. 1656
 Yamashiro, C. H. 126
 Yamawaki, S. 1547
 Yaniv, A. 1450
 Yano, Y. 247
 Yatanagas, X. 2183
 Yeung, K.-Y. 359, 2286, 2556
 Yogore, M. G., III 1748
 Yonan, T. N. 153, 2460
 Yonemoto, R. H. 506, 547
 Young, C. W. 1382
 Young, J. 2727
 Young, R. C. 967
 Yuu, H. 1656

Z

Zaman, M. 369
 Zangerle, P. F. 2806
 Ziegenfus, W. D. 2317
 Ziegler, J. L. 1923
 Zimble, H. 1439
 Zimmerman, A. 2371
 Zimmerman, L. E. 2048, 2102
 Zoghby, M. 2451
 Zornoza, J. 85, 706
 Zucali, R. 2822
 Zuelzer, W. W. 2017
 Zuckerman, E. E. 1850
 Zuckerman, K. S. 2355

Subject Index—Volume 40

No. 1, July, pp. 1-604

No. 2, August, pp. 605-958

No. 3, September, pp. 959-1364

No. 4, October, pp. 1364-1986

No. 5, November, pp. 1987-2764

No. 6, December, pp. 2765-3212

A

Abdomen, Burkitt's lymphoma of, combination chemotherapy in, 1410

Acinic cell carcinoma metastatic to lung, long term survival after, light and electron microscopic study, 756

Acute phase reactants, in neuroblastoma patients, prognostic value of, 1655

Adamantinoma, tibial, histogenesis from ultrastructural studies, 1138

Adenitis, cervical tuberculous, hyperparathyroidism in patients treated with x-rays for, 846

Adenocarcinoma

colonic, "primary" experimental, effect of surgical resection on survival and incidence of metastases, 1492

colorectal, cellular immunity in patient with, measured by autologous leukocyte migration inhibition, 687

gallbladder, spinal metastasis from, myelopathy due to, 2338

pancreatic, advanced, streptozotocin plus 5-FU and streptozotocin plus cyclophosphamide in treatment of, 605

prostatic, regional lymph node metastases in, unsuspected, clinicopathologic features of, 1212

prostatic, Stage C, needle biopsy after irradiation for, 156

renal, adenosine deaminase activity in patients with, 796

uterine, carcinoembryonic antigen levels in patients with, 2953

Adenocorticotrophic hormone, ectopic, and prostatic oat cell carcinoma, with marked hypernatremia, 773

Adenoid cystic laryngeal carcinoma, 1307

Adenoma

hepatic, multiple, and hepatocellular carcinoma in man on oral methyl testosterone for 11 years, 1765

hepatocellular benign, related to methandienone administration, long term, 1761

hepatocellular benign, related to oral contraceptive use, 1759

Adenomatoid malformation, cystic congenital, pulmonary rhabdomyosarcoma arising in, 383

Adenomatosis, colorectal, hereditary, phenotypic markers in human skin fibroblasts as possible diagnostic indices of, 2534

Adenosarcoma, uterine, Müllerian, ultrastructural study of, 2233

Adenosine deaminase activity in renal adenocarcinoma patients, 796

Adipose tissue tumors (lipoma and liposarcoma), 1314

Adrenal cortical carcinoma, virilizing, 307

Adriamycin, see Antibiotics, antitumor

Age

at first coitus, role of in epidemiology of cervical dysplasia, 3076

alteration in fecal microflora enzymes related to, 2421

influence of, on 1, 2-dimethylhydrazine-induced colon carcinogenesis, 2502

Alcohol, consumption of, with tobacco, relation to development of multiple primary cancer, 1872

Alkaline phosphatase, leukocyte, activity in patients with malignant disease, 1194

Alyklating agents

cyclophosphamide, in mammary cancer, metastatic, with adriamycin, 2801

cyclophosphamide, in mammary carcinoma, metastatic drug-resistant, with adriamycin and BCNU, 987

cyclophosphamide, in pancreatic carcinoma, advanced, with streptozotocin, 605

cyclophosphamide, with piperazinedione and DTIC, severe myelosuppression resulting from, 1386

melphalan, in mammary cancer, metastatic, with adriamycin, 2801

Alpha-1-glycoprotein, in cancer patient sera, interrelationship with prealbumin, 2993

Ameloblastoma, unicystic, 2278

Amylase-producing pulmonary cancer, ultrastructural and biochemical studies, 766

Angioimmunoblastic lymphadenopathy, with dysproteinemia, 2152

Angiosarcoma, hepatic, urinary glycosaminoglycan patterns in, 3050

Antibiotics, antitumor

adriamycin, combined with other agents, in weekly schedule, with lack of cardiac toxicity, 2046

adriamycin, extravasation of, accidental, clinical course and management of, 2053

adriamycin, in mammary cancer, metastatic, plus alkylating agents, 2801

adriamycin, in mammary carcinoma, metastatic drug-resistant, with cyclophosphamide and BCNU, 987

bleomycin, clinical pharmacology of, after intravenous infusion as determined by radioimmunoassay, 2772

- bleomycin, continuous infusion, clinical pharmacologic and therapeutic studies of, 2027
bleomycin sensitivity test, in human squamous cell carcinoma, 2787
streptozotocin, in treatment of pancreatic carcinoma, advanced, with 5-FU and with cyclophosphamide, 605
Anticancer drugs, carcinogenic action of, with special reference to immunosuppression, 1927
Antimetabolites
 cytosine arabinoside, and arabinosyl adenine, lethal actions of, mechanisms of, 509
 cytosine arabinoside, in leukemia, myeloblastic childhood acute, with 6-thioguanine, 998
 cytosine arabinoside, intrathecal, in leukemia, adult myelogenous, paraparesis following, 2817
 5-fluorouracil, in colorectal cancer, advanced, with methyl-CCNU, 2792
 5-fluorouracil, in pancreatic carcinoma, advanced, with streptozotocin, 605
 methotrexate, blood-brain permeability to in mice, effect of photon irradiation on, 1109
 methotrexate, in lymphoma, adult resistant, with citrovorum factor rescue, 2823
 methotrexate, in pulmonary cancer, compared with placebo, 4
 methotrexate, sudden fatal pulmonary reaction induced by, 1393
Ascites, chylous, with lymphangiomyomatosis, 895
Ascites, malignant, peritoneal drainage, quantitative measurement of, 2375
1-Asparaginase, effect on plasma coagulation factors in acute lymphoblastic leukemia, 1398
Atrioventricular node, mesothelioma of, ultrastructure of, 721
Autografts, irradiated cancer, in immunotherapy for mammary cancer, 30
Automobile exhaust condensate, pulmonary turinosis in Syrian Gold hamster with intrathecal instillations of, 203
Azoxymethane, carcinogenic effect of, in colon, metabolism and mode of action of, 2346

B**Bacille Calmette Guérin**

- in chemoimmunotherapy of large intestinal cancer, metastatic, with levamisole, 2731
 in melanoma patients, malignant metastatic, with autologous irradiated tumor cells, 2091
 intralymphatic, in treatment of gynecologic malignancies, 2933
 living, in immunotherapy of guinea pig hepatoma, 2930
 methanol extract of, in treatment of pulmonary cancer, with chemotherapy and radiotherapy, 1052
Baker's Antifol, see Triazinate
Barium enema, diagnostic value of in hereditary polyposis coli, 2632

Basal cell carcinoma, with intraneural invasion, 2181

Biopsy

- bone marrow, diagnostic problem in distinguishing chronic myelocytic leukemia and idiopathic myelofibrosis, 1548
 bone marrow, in metastatic tumor, 2317
 bone marrow, in nonhematopoietic cancer, 836
 bone marrow, in staging of untreated non-Hodgkin's lymphomas, with laparoscopy and laparotomy, 2322
 needle, after irradiation for Stage C prostatic adenocarcinoma, 156
 of opposite breast, in bilateral breast cancer, 1968
 transrectal fine-needle, in classification of prostatic carcinoma, with flow microfluorometry, 1206
 transthoracic needle, of mediastinal and hilar lesions, 1354

Biliary cystadenoma, 2400

Biliary tract, carcinoma of, radiation therapy of, 1422

Blacks, Hodgkin's disease in, epidemiology of, 3133

Bladder

- cancer of, cystectomy with preoperative radiation regimens for, 1077
 cancer of, epidemiology of, a second look, 1246
 urothelial carcinoma, characterization of with respect to carcinoembryonic antigen content in exfoliated cells, 1511

Bleomycin, see Antibiotics, antitumor

Blood, peripheral, in nonhematopoietic cancer, 836

Bone

- chondrosarcoma of, prognostic factors in, 818
 cyst of, aneurysmal, ultrastructure of, 2967
 metastasis to, solitary functioning, from malignant pheochromocytoma of organ of Zuckerkandl, 3092
 skeleton, abnormalities in, in American Indian family with multiple childhood osteosarcomas, 3125
 tibia, adamantinoma of, histogenesis from ultrastructural studies, 1138
 tumor of, malignant, polyhistioma, 2116

Bone marrow

- aspirate of, in metastatic tumor, 2317
 biopsy of, in metastatic tumor, 2317
 biopsy of, in nonhematopoietic cancer, 836
 biopsy of, in staging of untreated non-Hodgkin's lymphomas, with laparotomy and laparoscopy, 2322
 involvement of, in Burkitt's lymphoma, 1771

Bone scan, mammary carcinoma detected on, extradural metastatic, 3074

Bracken fern (*Pteridium aquilinum*), in large intestine, carcinogenic effect of, inhibition of by various chemicals, 2450

Brain

- cranial irradiation, in children receiving craniospinal irradiation, lymphopenia in, 1102
 intracerebral neuroblastoma, differentiating, 784
 tumors of, soluble membrane antigens of, 660
 cancer of, advanced, nafoxidine in adrenalectomized patients with, 2063

cancer of, and steroid hormones, human, 325
cancer of, bilateral, biopsy of the opposite breast, 1968
cancer of, cell proliferation in, rapid *in vitro* measurement of, in human cancer, 2299
cancer of, detection of by mass screening, pathology of, 1659
cancer of, early, "View from the Giants Shoulder," 185
cancer of, estrogen receptors in, factors affecting, 1571
cancer of, familial, 1855
cancer of, following childhood radiation, 2911
cancer of, following mammary irradiation, 2905
cancer of, hormone-sensitive, danazol therapy in, 2797
cancer of, immunotherapy in, prolonged survival after, 30
cancer of, incidence of according to weight and height in two cities of the Netherlands and in Aichi Prefecture, Japan, 1269
cancer of, increasing incidence in Alberta 1953-1973, 358
cancer of, mammography patterns of, 2087
cancer of, mastectomy for, psychological and social adjustment to, 2381
cancer of, metastatic, adriamycin plus alkylating agents in, 2801
cancer of, metastatic, chemotherapy of, combination, CAF compared with CMFVP, 625
cancer of, metastatic, chemotherapy in, selection of by effect on cesium-131 uptake, 977
cancer of, primary, surgery and chemotherapy in, biologic and clinical considerations, 574
cancer of, rapidly progressing, in Tunisia, clinical and prognostic features of, 376
cancer of, risk factors, combined effect of, 931
cancer of, staging of, human biochemical approach to, 937
cancer of, treatment failure in, relation of duration of symptoms to, 3160
carcinoma of, estrogen receptor in, low incidence of in carcinomas with rapid rates of cellular replication, 2290
carcinoma of, following radiotherapy for metastatic Wilms' tumor, 1450
carcinoma of, growth rate of, observations on and possible implication for lead time, 1722
carcinoma of, *in situ*, 1189
carcinoma of, in women under 30 years of age, clinical and histopathological study, 916
carcinoma of, medullary, clinicopathologic study, 1365
carcinoma of, metastatic, carcinocythemia (carcinoma cell leukemia) due to, 3107
carcinoma of, metastatic drug-resistant, combination chemotherapy of, with adriamycin, BCNU, and cyclophosphamide, 987
carcinoma of, metastatic extradural, detected on bone scan, 3074
carcinoma of, multicentricity of, demonstrated by

routine correlated serial subgross and radiographic examination, 1726
carcinoma of, peripheral B- and T-lymphocyte counts in patients with, 667
carcinoma, of, retrograde lymphatic spread and ischemia of the forearm and hand as rare complications of, 371
carcinoma of, topographic approach to, spread of, 928
examination of, manual, progress in, 364
metastasis to, from malignant carcinoid tumor, 3102
nipple, carcinoma of, basal cell, 1780
sarcomas of, clinicopathologic analysis, 1577
screening of, in women less than 50 years old, value of, 1
tissue of, benign and malignant, elastosis and other stromal reactions in, 700
Bronchiolo-alveolar carcinoma, a clara-cell tumor?, 2171
Bronchio-alveolar carcinoma, glycogen-rich clara-cell type, 2209
Bronchogenic carcinoma, abnormal lymphocyte protein synthesis in, 3014
Brown-Sequard Syndrome, in malignant pheochromocytoma, 402
Burkitt's lymphoma, see Lymphoma, Burkitt's

C

Calcitonin in watery diarrhea syndrome in adult with ganglioneuroma-pheochromocytoma, 1526
Cancer
advanced, combined 433 megahertz microwave and radiation therapy in, 2854
antiquity of, experimental study of mummification pertinent to, 1358
bladder, cystectomy with preoperative radiation regimens for, 1077
bladder, epidemiology of, a second look, 1246
bronchogenic, histologic types of in relation to different conditions of radiation exposure, 832
cervical, small cell, 2243
childhood, second malignant neoplasms after, 1899
childhood, second malignant neoplasm patterns, 1903
chromosomes and causation of, 1143, 1149, 1161, 1173
colonic, biology of, 2473
colonic, cells of, protein synthesis in, selective inhibition of with sodium cyanate, 2692
colonic, cell-mediated immune status of patients with, 2716
colonic, chromosomal proteins in, changes in, 2584
colonic, epidemiology and experimental production of, 2414
colonic, human xenografts of in athymic nude mice, chemotherapy of, 2640
colonic, prevention of, challenge to biomedical scientists and clinical investigators, 2565

- colorectal, advanced, combined chemotherapy in, with 5-FU and methyl-CCNU, lack of effectiveness of, 2792
- colorectal, early detection of, 945
- colorectal, immunotherapy and chemoimmunotherapy in, adjuvant, 2726
- diagnosis of, radiologic, advances in, 500
- diagnosis of, with nuclear medicine techniques, recent advances in, 495
- disseminated advanced, pyrazofurin in, 2806
- disseminated, plasmapheresis in patients with, clinical results and correlation with changes in serum protein, 3146
- endometrial, treatment failure sites according to irradiation technique and histology in patients with, 131
- endocrine target organs, and diet, 434
- esophageal, epidemiology of, outside of North America and Western Europe, 1879
- esophageal, in Southern Iran, 841
- etiology of, clinical studies of, 445
- etiology of, genetic, 438
- etiology of, role of diet in, 1887
- etiology of, viral, a realistic approach, 419
- familial, in the general population, 1674
- gastrointestinal, etiology of, nitrosamines and nitrosamides in, 2446
- hepatocellular, primary, hemostatic factors in, 1593
- large intestinal, cell fractionation of, 2479
- large intestinal, early detection of, evaluation of markers in, 2620
- large intestinal, early diagnosis of, role in controlling, 2609
- large intestinal, immunotherapy in patients with, 2710
- large intestinal, immunotherapy of, active specific, 2740
- large intestinal, immunotherapy of, specific, with immune RNA, 2747
- large intestinal, individuals at high risk for, identification of, 2523
- large intestinal, individuals at high risk for, identification of and application of preventive measures, 2531
- large intestinal, metastatic, chemoimmunotherapy in, with BCG and levamisole, 2731
- large intestinal, molecular changes associated with, and their potential as markers and chemotherapeutic agents, 2576
- large intestinal, National Large Bowel Cancer project, progress of, goal, objectives, programs, 2406
- large intestinal, prevention of, by surgical and medical measures, 2549
- large intestinal, 1977 Workshop on Large Bowel Cancer, welcoming remarks, 2405
- large intestinal, 1977 Workshop on Large Bowel Cancer, summary of, 2758
- mammary, advanced, nafoxidine in adrenalectomized patients with, 2063
- mammary, and steroid hormones, human, 325
- mammary, bilateral, biopsy of the opposite breast, 1968
- mammary, cell proliferation, rapid measurement of *in vitro*, in human cancer, 2299
- mammary, detection of by mass population screening, pathology of, 1659
- mammary, early, "View from the Giant's Shoulder," 185
- mammary, estrogen receptors in, factors affecting, 1571
- mammary, familial, 1855
- mammary, following childhood radiation, 2911
- mammary, following mammary irradiation, 2905
- mammary, immunotherapy in, prolonged survival after, 30
- mammary, increasing incidence in Alberta 1953-1973, 358
- mammary, incidence of according to weight and height in two cities of The Netherlands and in Aichi Prefecture, Japan, 1269
- mammary, mammography patterns of, 2087
- mammary, mastectomy for, psychological and social adjustment to, 2381
- mammary, metastatic, adriamycin plus alkylating agents in treatment of, 2801
- mammary, metastatic, chemotherapy of, combination, CAF compared with CMFVP, 625
- mammary, metastatic, chemotherapy in, selection of by effect on cesium-131 uptake, 977
- mammary, primary, surgery and chemotherapy in, biological and clinical considerations, 574
- mammary, rapidly progressing, in Tunisia, clinical and prognostic features of, 376
- mammary, risk factors, combined effect of, 931
- mammary, staging of, human, biochemical approach to, 937
- mammary, topographic approach to spread of, 928
- mammary, treatment failure in, relation of duration of symptoms to, 3160
- multiple primary, and the nervous system, 1961
- multiple primary, at Memorial Hospital, 1949-1962, 1801
- multiple primary, at two Missouri Hospitals, review of clinical studies, 1806
- multiple primary, genetics of, clinical etiologic approach, 1867
- multiple primary, historical perspectives, 1786
- multiple primary, in Charity Hospital of Louisiana Tumor Registry, 1812
- multiple primary, in domestic animals, 1845
- multiple primary, in malignant melanoma patients, 1974
- multiple primary, International Workshop on, concluding commentary, 1982
- multiple primary, International Workshop on, introductory remarks, 1785
- multiple primary, of lung, esophagus and other sites, 1954
- multiple primary, relative risk in New Mexico's triethnic population, 1793
- multiple primary, role of heredity in, 1849
- multiple primary, statistical methods for studying, 1892
- multiple primary, tobacco and alcohol consumption in relation to the development of, 1872

- nasopharyngeal, in patients under age of 30 years, 2312
- nonhematopoietic, bone marrow biopsy, osteoscan, and peripheral blood in, 836
- oral cavity, epidemiology of outside of North America and Western Europe, 1879
- oral mucosal, adenoid squamous cell, 2250
- ovarian, epithelial, lymphangiography in, 1444
- ovarian, multimodal therapy of, 588
- penile, surgical treatment of, 1697
- pharyngeal, epidemiology of, outside of North America and Western Europe, 1879
- pulmonary, advanced locally, treatment of, clinical report, 72
- pulmonary, amylase-producing, ultrastructural and biochemical studies, 766
- pulmonary, methotrexate compared with placebo in, 4
- pulmonary, treatment of by radiotherapy, chemotherapy, and methanol extract of BCG, 1052
- rectal, management of, contemporary, 2365
- rectosigmoid, radiation therapy of, 595
- second primary, as a delayed result of therapy, 1952
- second primary, in Hodgkin's disease patients, risk of, 1917
- therapy of, combined, rationale for, 569
- therapy of, multimodal, acute and late effects on normal tissues, 489
- therapy of, second primary malignancies as a delayed result of, 1952
- thyroidal, following childhood radiation, 2911
- thyroidal, radioiodine I-131 therapy of, 195
- Cancer patients
- central nervous system infections in, changing patterns, 268
- correlation among serum protein-bound carbohydrates, serum glycoproteins, lymphocytes reactivity, and tumor burden in, 2264
- cured, neutrophil function in, 2273
- knowledge and attitudes of, 61
- prealbumin and α -1 acid glycoprotein in sera from, 2993
- sera from, agglutination of murine tumor cells by, 693
- serum vitamin B₁₂ and transcobalamin abnormalities in, 1348
- treated and nontreated, cytotoxicity in, antibody-dependent cell-mediated, 1045
- Cancer Plan, National, long-range goals of, 2572
- Candidiasis
- pulmonary, in immunosuppressed patients, pathologic correlation of, 1026
- renal, associated with renal papillary necrosis, in Hodgkin's disease patient, 2309
- Carbohydrates, serum protein-bound, correlated with serum glycoproteins, lymphocyte reactivity and tumor burden in cancer patients, 2264
- Carboxamides
- dimethyltriazeno-imidazolecarboxamide (DTIC) in metastatic melanoma, with methyl-CCNU, 1010
- dimethyltriazeno-imidazole carboxamide (DTIC), with cyclophosphamide and piperazinedione, severe myelosuppression resulting from, 1386
- Carcinocythemia, due to metastatic mammary carcinoma, 3107
- Carcinogenesis
- by anticancer drugs, with reference to immunosuppression, 1927
- by cancer chemotherapeutic agents, bioassay program for, 1935
- by cancer chemotherapeutic agents, in cell cultures, 1930
- by cancer chemotherapeutic agents, potential, some comments on, 1950
- by diethylnitrosamine, role of nicotinamide and other modifying factors in, 1833
- chemical, 430
- genetic and environmental interactions in, 1861
- in colon, by 1, 2-dimethylhydrazine and azoxymethane, metabolism and mode of action of, 2346
- in colon, by 1, 2-dimethylhydrazine and methylazoxymethanol, inhibition by selenium, 2557
- in colon, by 1, 2-dimethylhydrazine, influence of gonadal hormones and age on, 2502
- in colon, inhibitors of, 2432
- in colon, vitamin A in prevention of, in rats, 2553
- in large intestine, and polyunsaturated fat and cholesterol, 2455
- in large intestine, by bracken fern, inhibition of by various chemicals, 2450
- in large intestine, by hydrazines and related compounds occurring in nature and environment, 2427
- multiple primary, by sex hormones, experimental basis for, 1825
- multiple primary, experimental induction by viruses, 1841
- Carcinoid tumor, malignant, metastasis to breast from, 3102
- Carcinoma
- acinic cell, metastatic to lung, long term survival after, light and electron microscopic study, 756
- adrenal cortical, virilizing, 307
- basal cell, with intraneural invasion, 2181
- biliary, associated with biliary cysts, 880
- bladder, urothelial, characterization of with respect to carcinoembryonic antigen content in exfoliated cells, 1511
- bronchiolo-alveolar, a clara-cell tumor?, 2171
- bronchio-alveolar, glycogen rich clara-cell type, 2209
- bronchogenic, abnormal lymphocyte protein synthesis in, 3014
- cervical, squamous cell, tumor antigen of, radioimmunoassay for, 1621
- cervical, with adenoid cystic pattern, 1112
- colonic, early detection and prevention of, in ulcerative colitis patients, 2542
- colonic, human, cell-line-derived, in mice immunosuppressed with antithymocyte serum, chemotherapy of, 2651
- colonic, murine, chemotherapy of, biochemical aspects of, 2681
- colonic, murine, chemotherapy of, single agent and

- combination, 2660
colonic, sigmoidal, basosquamous (transitional cloacogenic), 1234
colorectal, advanced locally, radiation therapy in, elective postoperative, 105
colorectal, advanced, triazinate in, phase II study, 9
colorectal, inadolescents, etiology of, 2464
colorectal, metastatic spread in, significance of the vertebral venous (Batson's plexus), in 67
endometrial, adenosquamous, prognosis of, 119
endometrial, locally invasive in chromosomally mosaic young woman, treated with Clomid, 2957
gallbladder and biliary tract, radiation therapy of, 1422
gastric, survival following resection for, factors related to, 1318
hepatocellular, alpha-fetoprotein in, serum, 779
hepatocellular, associated with chronic liver disease, HBsAg positive, in the Senoi, 1618
hepatocellular, encapsulated, clinicopathologic features of, 1240
hepatocellular, in man on oral methyl testosterone for 11 years, with multiple hepatic adenomas, 1765
hepatocellular, in woman on long-term oral contraceptives, 884
hepatocellular, primary, treatment of, quadruple chemotherapy vs. radiotherapy, 609
hepatocellular, serum alphafetoprotein levels in patients with after hepatic artery ligation and postoperative ligation, 615
hepatocellular, SGOT and SGPT ratios in, 319
large intestinal, "transitional" mucosa adjacent to, ultrastructure of, 2509
laryngeal, adenoid cystic, 1307
lip and buccal cavity, demographic and geographic incidence of, 340
mammary, estrogen receptor in, low incidence of in carcinomas with rapid rates of cellular replication, 2290
mammary, following radiotherapy of metastatic Wilms' tumor, 1450
mammary, growth rate of, observations and possible implications for lead time, 1722
mammary, hormone-sensitive, danazol therapy in, 2797
mammary, *in situ*, 1189
mammary, in women under 30 years of age, clinical and histopathological study, 916
mammary, medullary, clinicopathologic study of, 1365
mammary, metastatic, carcinocythemia (carcinoma cell leukemia) due to, 3107
mammary, metastatic, drug-resistant, combination chemotherapy of, with adriamycin, BCNU, and cyclophosphamide, 987
mammary, metastatic extradural, detected on bone scan, 3074
mammary, multicentricity of, demonstrated by routine correlated serial subgross and radiographic examination, 1726
mammary, nipple, basal cell, 1780
mammary, peripheral B- and T-lymphocyte counts in patients with, 667
mammary, retrograde lymphatic spread and ischemia of the forearm and hand as rare complications of, 371
nasopharyngeal, primary, nasopharyngoscope and camera examination, 2353
ovarian, clear cell, light and electron microscopic studies, 3030
paranasal sinus, 274
penile, giant condyloma in a Ugandan seires, of cases, variation in appearance of, 1686
pinnal, 2891
prostatic, classification of, flow microfluorometry and transrectal fine-needle biopsy in, 1206
prostatic, freeze fracture observations on the membranes and junction in, 1182
prostatic, localized, radiation therapy of, 1425
prostatic, oat cell, and ectopic ACTH and marked hypernatremia, 773
prostatic, placental proteins and their subunits as tumor markers in, 211
prostatic untreated and estrogen-treated responsive and refractory, tumor morphology and hormone treatment in, 2836
pulmonary, alveolar cell, intranuclear tubular structures observed in cells of, 1194
pulmonary, chemotherapy after resection of, adjuvant, 2057
pulmonary, metastatic, small bowel perforation secondary to, 410
pulmonary, oat cell, combination chemotherapy and radiation therapy in, 653
pulmonary, scanning electron microscopic study of, 707
pulmonary, small cell anaplastic, chemotherapy of with oral VP-16-213, 633
salivary gland, major and minor, treatment results and sites and cause of failure, 2882
squamous cell, human, bleomycin sensitivity test in, 2787
supraglottic, integrated management of, 2874
thyroidal medullary, immunohistologic study of, 1060
thyroidal, medullary, in monolayer culture, 3004
thyroidal, ultrastructure and biochemistry of, 284
upper digestive tract, squamous cell, analysis of distant metastases from, 145
upper respiratory tract, squamous cell, analysis of distant metastases from, 145
vaginal, primary, radiation management of, 109
vulvar, invasive, progression to from vulvar intraepithelial Paget's disease, 2333
Catecholamines, in watery diarrhea syndrome, in an adult with ganglioneuromapheochromocytoma, 1526
Central nervous system.
and multiple primary neoplasms, 1961
infections of, in cancer patients, 268
involvement of, in adult acute leukemia patients, long term survivors, frequency of, 1304
leukemia of, maintenance chemotherapy following

- treatment of, value of, 1005
- tumors in, childhood, 3123
- Cervix (uterine)
 - cancer of, small cell, 2243
 - carcinoma of, squamous cell, tumor antigen of, radioimmunoassay for, 1621
 - carcinoma of, with adenoid cystic pattern, 1112
 - dysplasia of, role of age at first coitus and use of oral contraceptives, 3076
 - sarcoma of, granulocytic primary, without leukemic features for 26 months, 3030
- Cervix (neck), papilloma of, inverted, 2309
- Cesium -131 uptake, selection of chemotherapy for metastatic mammary cancer by effect on, 977
- Chemical carcinogenesis, 430
- Chemicals, radiomimetic, response of cells to, 471
- Chemotherapy
 - anticancer drugs, design of, 529
 - anticancer drugs, selectivity of action related to physicochemical properties and kinetic patterns of, 519
 - carcinogenic action of, with reference to immunosuppression, 1927
 - carcinogenic hazards for, bioassay program for, 1935
 - carcinogenicity of, potential, some comments on, 1950
 - chemoimmunotherapy, in canine lymphosarcoma, 2102
 - chemoimmunotherapy, in colorectal cancer, adjuvant, 2726
 - chemoimmunotherapy, in large intestinal cancer, metastatic, with BCG and levamisole, 2731
 - clinical trials in, 544
 - combination, adriamycin in combination with other anticancer agent on weekly schedule, with lack of cardiac toxicity, 2046
 - combination, in abdominal Burkitt's lymphoma, 1410
 - combination, in colorectal cancer, advanced, with 5-FU and methyl-CCNU, 2792
 - combination, in Ewing's sarcoma, 2864
 - combination, in hepatocellular carcinoma, primary, vs. radiotherapy, 609
 - combination, in leukemia, acute, 20
 - combination, in leukemia, granulocytic acute, hyperbilirubinemia during induction therapy, 1390
 - combination, in leukemia, myeloblastic childhood acute, 998
 - combination, in leukemia, nonlymphoblastic childhood acute, 1417
 - combination, in leukemia, nonlymphocytic acute, in elderly patients, intensive, 647
 - combination, in mammary cancer, metastatic, CAF compared with CMFVP, 625
 - combination, in mammary cancer, metastatic, with adriamycin plus alkylating agents, 2801
 - combination, in mammary carcinoma, metastatic drug-resistant, with adriamycin, cyclophosphamide, and BCNU, 987
 - combination, in melanoma, metastatic, with methyl-CCNU and DTIC, 1010
 - combination, in multiple myeloma, 1
 - combination, in non-Hodgkin's lymphoma, during pregnancy, including bleomycin, 2829
 - combination, in osteogenic sarcoma, with bleomycin, dactinomycin, and cyclophosphamide, 2779
 - combination, in pulmonary carcinoma, oat cell, with cyclophosphamide, adriamycin, vincristine, and methotrexate, and radiation therapy, 653
 - combination, in testicular tumors, germ cell, with vincristine, adriamycin, cyclophosphamide, actinomycin D and medroxyprogesterone acetate, 638
 - combination, multiple basis of, 534
 - combination, myelosuppression resulting from, with piperazinedione, cyclophosphamide and DTIC, 1386
 - in central nervous system leukemia, maintenance following treatment, value of, 1005
 - in colonic cancer xenografts, human, in athymic nude mice, 2640
 - in colonic carcinoma, human cell-line derived, in mice immunosuppressed with antithymocyte serum, 2651
 - in colonic carcinoma, murine, biochemical aspects of, 2681
 - in colonic carcinoma, murine, single agent and combination, 2660
 - in congenital neuroblastoma, infantile, antibody response in normal infants and in infants receiving chemotherapy for congenital neuroblastoma, 994
 - in hepatocellular carcinoma, postoperative, serum alphafetoprotein levels after, 615
 - in histiocytoma, fibrous malignant, 2010
 - in Hodgkin's disease, Stages IIB and IIIB, 84
 - in large intestinal cancer, molecular changes as potential for, 2576
 - in leukemia, childhood, effects of continuous or discontinuous maintenance therapy on subsequent remission maintenance, 2005
 - in mammary cancer, metastatic, selection of by effect on cesium-131 uptake, 977
 - in mammary cancer, primary, biological and clinical considerations, 574
 - in mesothelioma, malignant, 2038
 - in murine tumors, metastatic, surgical adjuvant, 558
 - in osteosarcoma, metastatic, with radiation therapy and surgery, 78
 - in ovarian cancer, with surgery and radiation therapy, 588
 - in pulmonary cancer, adjuvant, after resection, 2057
 - in pulmonary cancer, advanced locally, with radiation therapy, 72
 - in pulmonary cancer, with radiation therapy and methanol extract of BCG, 1052
 - in rhabdomyosarcoma, 1205
 - in rhabdomyosarcoma of extremity, childhood, 2810
 - in salivary gland neoplasms, malignant major, 619

- in spinal tumors, extradural metastatic, combined with radiation therapy, 2067
induction of malignant transformation and mutagenesis in cell cultures by, 1930
- Children
cancer in, second malignant neoplasm patterns, 1903
cancer in, second malignant tumors after, 1899
colorectal carcinoma in, in adolescents, etiology of, 2464
congenital neuroblastoma in, infantile, antibody responses in infants receiving chemotherapy for and normal infants, 994
fibrosarcoma in, and in infants, 1711
glomus tumors in, multiple infiltrating, 1680
hemangipericytoma in, infantile, ultrastructure of, 2161
leukemia in, acute, five-year survivors among children with, in Japan, 349
leukemia in, chemotherapy of, effects of continuous or discontinuous maintenance therapy on subsequent remission maintenance in, 2005
leukemia in, clostridium septicum infection in, 950
leukemia in, lymphocytic acute, complete remodeling in a child successfully treated for, 398
leukemia in, myeloblastic acute, cytosine arabinoside and 6-thioquinine in treatment of, 998
leukemia in, nonlymphoblastic acute, combination chemotherapy in, 1417
lymphograms in, 1097
nevi in, spindle and epithelioid cell, Spitz nevus, 217
non-Hodgkin's lymphoma in, in first two decades of life, 1533
osteosarcomas in, multiple, in American Indian family with erythroid macrocytosis and skeletal abnormalities, 359
plasmacytoma in, pulmonary solitary secretaory, in 14-year-old boy, 2329
radiation therapy in, craniospinal, lymphopenia caused by cranial irradiation, 1102
renal neoplasia, infantile, cystic partially differentiated nephroblastoma, 789
rhabdomyosarcoma of extremity in, combined therapy of, 2810
tumors in, central nervous system, 3123
- Cholesterol, and large intestine carcinogenesis, 2455
Chondrosarcoma, bone, prognostic factors in, 818
Chorionic gonadotropin, human, excretion pattern of a parameter in criteria of complete remission from trophoblastic neoplasia, 1016
Chorionic gonadotropin, human, in testicular germ cell tumors, cellular localization of, using indirect immunoperoxidase technique, 2136
Choroid, melanoma of, malignant, lymphocytic infiltration in, prognostic significance of, 2388
Cirrhosis, hepatic, associated with HBAg-positive chronic liver disease in the Senoi, 1618
Citrovorum factor rescue, with methotrexate, in adult resistant lymphoma, 2823
Clinical studies of cancer etiology, 445
Clomid, in treatment of endometrial carcinoma, locally invasive, in chromosomally mosaic young woman, 2957
- Clostridium septicum infection in childhood leukemia, 950
Colitis, ulcerative, early detection and prevention of colonic carcinoma in patients with, 2542
- Colon
adenocarcinoma of, "primary" experimental, effect of surgical resection on survival and incidence of metastases, 1492
cancer of, biology of, 2473
cancer of, cell-mediated immune status of patients with, 2716
cancer of, cells of, protein synthesis in, selective inhibition of with sodium cyanate, 2692
cancer of, chromosomal proteins in, changes in, 2584
cancer of, epidemiology and experimental production of, 2414
cancer of, human xenografts of, in athymic nude mice, chemotherapy of, 2640
cancer of, prevention of, challenge of biomedical scientists and clinical investigators, 2565
carcinogenesis in, by 1, 2-dimethylhydrazine and azoxymethane, metabolism and mode of action, 2346
carcinogenesis in, by 1, 2-dimethylhydrazine, influence of gonadal hormones and age on, 2502
carcinogenesis in, inhibitors of, 2432
carcinogenesis in, vitamin A in prevention of, in rats, 2553
carcinoma of, early detection and prevention of in ulcerative colitis patients, 2542
carcinoma of, human cell-line-derived, in mice immunosuppressed with antithymocyte serum, chemotherapy of, 2651
carcinoma of, murine, chemotherapy of, biochemical aspects of, 2681
carcinoma of, murine, chemotherapy of, single agent and combination, 2660
mucosa of, activation of guanylate cyclase-guanosine 3'5' monophosphate system of by N-methyl-N'-nitro-N-nitrosoguanidine, 2600
neoplasia of, early detection of, in patients at high risk, 2625
plasma membranes of, normal and malignant, isolation and purification of, 2487
polyposis of, hereditary, diagnostic value of colonoscopy, barium enema, and fecal occult blood in, 2632
sigmoid, carcinoma of, basosquamous (transitional cloacogenic), 1234
- Colonoscopy, diagnostic value of in hereditary polyposis coli, 2632
Colorectal, adenocarcinoma, cellular immunity in patients with, measured by autologous leukocyte migration inhibition, 687
Colorectal adenomatosis, hereditary, phenotypic markers in human skin fibroblasts as possible diagnostic indices of, 2534
Colorectal cancer
advanced, combination chemotherapy in, with 5-

- FU and methyl-CCNU, lack of effectiveness of, 2792
- early detection of, 945
- immunotherapy and chemoimmunotherapy in, adjuvant, 2726
- Colorectal carcinoma
- advanced locally, radiation therapy in, elective postoperative, 105
 - advanced, triazine in, phase II study, 9
 - in adolescents, etiology of, 2464
 - metastatic, significance of vertebral venous (Batson's) plexus in, 67
- Colorectal neoplasia, detection of, fecal occult blood testing in, 2616
- Condyloma, giant, in Ugandan series of penile carcinoma cases, variation in appearance of, 1686
- Cyclic nucleotides, in human malignant tumors, direct immunochemical detection of, 1629
- Cyclophosphamide, see Alkylating agents
- Cylindroma, parotid gland, dermal-type multicentric, in florid turban tumor patient, 1702
- Cyst
- biliary, associated with biliary carcinoma, 880
 - bone, aneurysmal, ultrastructure of, 2967
- Cystadenoma, biliary, 2400
- Cystic partially differentiated nephroblastoma, 789
- Cytology
- cell culture, monolayer, of thyroidal medullary carcinoma, 3004
 - cell cycle parameters, in human solid tumors, 1453
 - cell fractionation, of large intestinal cancer, 2479
 - cell line, human, derived from lymphoma, leukemia and infectious mononucleosis patients, 1481
 - cell line, human leukemic "null," 2131
 - cell line, lymphoma Epstein-Barr-virus negative B-cell, from Japanese Burkitt's lymphoma, serial passage in hamsters, 2999
 - cell-mediated immune reactions to human tumors, 448
 - cell population, cycling and noncycling in human solid tumors, 1462
 - cell proliferation, in mammary cancer, human, rapid *in vitro* measurement of, 2299
 - cells, colonic cancer, protein synthesis in, selective inhibition of with sodium cyanate, 2692
 - cells, colonic tumor, human, kinetics of potential for therapy, 2706
 - cells, in thymoma, ratio of lymphocytes to epithelial cells, 1222
 - cells, leukocytes, alkaline phosphatase activity of in patients with malignant disease, 1194
 - cells, leukocyte migration inhibition, autologous, a measurement of cellular immunity in colorectal adenocarcinoma patients, 687
 - cells, lymphocytes, autologous infusions as immunotherapy in recurrent glioblastoma multiforme, 1037
 - cells, lymphocytes, infiltration of, in choroidal malignant melanoma, 2388
 - cells, lymphocytes, protein synthesis in, abnormal, in bronchogenic carcinoma, 3014
 - cells, lymphocytes, reactivity of, correlated with serum protein-bound carbohydrates, serum glycoproteins and tumor burden, in cancer patients, 2264
 - cells, lymphocytes, T, peripheral, malignant lymphoma originating from, 1604
 - cells, lymphocytes, T- and B-cell, in sarcoma patients, 803
 - cells, lymphocytes, T- and B-, peripheral, long term effects of radiation on, after regional irradiation, 2071
 - cells, lymphocytes, T- and B-, peripheral counts in sarcoma and breast carcinoma patients, 667
 - cells, lymphocytes, stimulation of *in vitro* by subpopulations of transforming lymphocytes, modulation of, 2109
 - cells, lymphosarcoma B-cell, in cerebrospinal fluid, scanning electron microscopic and immunologic study of, 716
 - cells, malignant, *in vitro* growth control of, restoration of, 2699
 - cells, neutrophil, function of in cured cancer patients, 2273
 - cells, response to radiation and radiomimetic chemicals, molecular biology of, 471
 - cells, spleen, murine, transfer of tumor-specific immunity with, from mice with large tumors and metastases, 1643
 - cells, tumor and normal, from melanoma patients, expression of histocompatibility (HLA) antigens on, 36
 - cells, tumor, quantitative relationship of carcinoembryonic antigen to, in various organs, 808
 - cells, tumor, murine, agglutination of by cancer patient sera, 693
 - cells, unusual cytoplasmic inclusions in, in myeloproliferative disorder, ultrastructure of, 2111
 - cellular radiation response, substances which modify, use in radiation therapy, 484
 - nuclei, naked megakaryocyte, as clue to malignancy, 1497
- Cytosine arabinoside, see Antimetabolites
- Cytotoxicity, antibody-dependent cell-mediated, in treated and nontreated cancer patients, 1045
- D**
- Danazol, in mammary carcinoma, hormone-sensitive, 2797
- Deoxyribonucleic acid, intestinal and hepatic, methylation of in rats treated with methylazoxymethanol acetate, 2580
- Diet
- and cancer of endocrine target organs, 434
 - relation to alterations in fecal microflora enzymes, 2421
 - role in cancer etiology, 1887
- Diethylnitrosamine, carcinogenesis by, role of nicotinamide and other modifying factors in, 1833
- Disgerminoma (seminoma), ultrastructure of, in patient with XY gonadaldysgenesis, 1127
- Dogs, lymphosarcoma in, chemoimmunotherapy in, 2102

- Domestic animals, multiple primary tumors in, especially dogs, 1845
Dysplasia, of uterine cervix, role of age at first coitus and oral contraceptive use, 3076
Dysprotenemia, in angioimmunoblastic lymphadenopathy, 2152

E

- Elastofibroma, ultrastructure of, 728
Elastosis, in benign and malignant breast tissue, 700
Elderly patients, with acute nonlymphocytic leukemia, chemotherapy in, intensive, 647
Emotional reactions to radiation treatment, 180
Endocrine target organs, cancer of, and diet, 434
Endometriosis, extragunadal, malignancy arising in, 3065
Endometrium
 cancer of, treatment failure site according to irradiation technique and histology in patients with, 131
 carcinoma of, adenosquamous, prognosis of, 119
 carcinoma of, locally invasive, in chromosomally mosaic young woman, treated with Clomid, 2957
 sarcoma of, stromal, 898
Environmental and genetic interactions in carcinogenesis, 1861
Enzymes
 fecal microflora, alterations in related to diet, age, lactobacillus supplements and dimethylhydrazine, 2421
 variants in, in normal and neoplastic intestinal mucosa, 2592
Ependymoma, follow-up study of 101 cases, 907
Epidemiology
 of bladder cancer, a second look, 1246
 of cervical dysplasia, role of age at first coitus and oral contraceptive use, 3076
 of colon cancer, 2414
 of esophageal cancer, in Southern Iran, 841
 of hepatocellular carcinoma, in the Senoi, associated with HBsAg-positive chronic liver disease, 1618
 of Hodgkin's disease, in Blacks, 3133
 of leukemia, acute, long term survival with in Argentina, 1402
 of leukemia, childhood acute, five-year survivors among children with, in Japan, 349
 of lip and buccal cavity carcinoma, demographic and geographic incidence of, 340
 of mammary cancer, incidence of according to weight and height in two cities in the Netherlands and in Aichi Prefecture, Japan, 1269
 of mammary cancer, increasing incidence of in Alberta, 1953-1973, 358
 of mammary cancer, rapidly progressing, in Tunisia, clinical and prognostic features of, 376
 of multiple primary cancers, at Memorial Hospital 1949-1962, 1801
 of multiple primary cancer, at two Missouri hospitals, review of clinical studies, 1806
 of multiple primary cancer, in Charity Hospital of Louisiana Tumor Registry, 1812

- of multiple primary cancer, relative risk in New Mexico's triethnic population, 1793
 of oral cavity, pharyngeal and esophageal cancer outside of North America and Western Europe, 1879
 of pulmonary tumors, oat-cell and carcinoid, comparative, 1671
 of Wilms' tumor, in New York State, 3140
Epipodophyllotoxin analogs, VM 26 and VP 16-213, a comparative analysis, 334
Epithelium, intestinal, translocation of immunoglobulins across, 2497
Esophagus
 cancer of, epidemiology of, outside of North America and Western Europe, 1879
 cancer of, in Southern Iran, 841
 cancer of, multiple primary, with other sites, 1954
Esthesioneuroma, olfactory, histochemical and biochemical approach to, 314
Ewing's sarcoma, see Sarcoma, Ewing's
Extremity, rhabdomyosarcoma of, childhood, combined therapy of, 2810
Eye, optic nerve glioma, radiation therapy in, 2079

F

- Familial cancer, in the general population, 1674
Familial immunopathies, 2094
Familial mammary cancer, 1855
Familial polyposis, chromosomes studies in, 2531
Fat, polyunsaturated, and large intestinal carcinogenesis, 2455
Fecal microflora enzymes, alterations in related to diet, age, lactobacillus supplements, and dimethylhydrazine, 2421
Fecal occult-blood testing, in detection of colorectal neoplasia, 2616
Fecal occult blood testing, diagnostic value of in hereditary polyposis coli, 2632
Feet, melanoma of, malignant, clinical behavior of, 3168
Fibrosarcoma, in children and infants, 1711
Fibroblastoma
 atypical, ultrastructure of, 736
 cutaneous, atypical, ultrastructural study, 1471
Flow microfluorometry, in classification of prostatic carcinoma, with transrectal fine-needle biopsy, 1206
Fluoropyrimidines, and biochemical aspects of murine colon carcinoma chemotherapy, 2681
5-Fluorouracil, see Antimetabolites
Freeze fracture observations on the membranes and junctions in prostatic carcinoma and benign prostatic hypertrophy, 1182
Fusaria mycotoxin, and "spontaneous tumors" in animals and man, 1833
- G**
- Gallbladder
 adenocarcinoma of, spinal metastasis from, myelopathy due to, 2338
 biliary carcinoma associated with biliary cysts, 880
 carcinoma of, radiation therapy of, 1422
Gallium-67-citrate, pharmacokinetics of, in tumor-

- bearing mice, 2923
- Ganglioneuroma-pheochromocytoma, watery diarrhea syndrome in adult with, 1526
- Gardner syndrome, chromosomes studies in, 2531
- Gastrointestinal cancer, etiology of, nitrosamines and nitrosamides in, 2446
- Genetics
- banding studies, in acute lymphoblastic leukemia, 1161
 - chromosomal proteins, in colonic cancer, changes in, 2584
 - chromosomes, aberrations in, in neuroblastoma, human, 2256
 - chromosomes, and causation of human cancer and leukemia, 1143, 1149, 1161, 1173
 - chromosome, Ph¹, significance of in various acute leukemias, 1149
 - chromosomes, studies of, in Gardner syndrome and familial polyposis, 2531
 - genetic and environmental interactions in carcinogenesis, 1861
 - genetic etiology of cancer, 438
 - genetics of multiple primary tumors, a clinical etiologic approach, 1867
 - heredity, role in multiple primary cancer, 1849
 - karyotypes, changes in, in malignant melanoma, 1173
 - mosaic complement 25, x/46, Xr(X), in young woman with endometrial carcinoma, locally invasive, treated with Clomid, 2957
 - mutagenicity and sister chromatid exchange rates of selected carcinogens, selenium effects on, 2557
 - near haploidy in acute leukemia, 1143
 - phenotypic markers, in human skin fibroblasts, as possible diagnostic indices of hereditary colorectal adenomatosis, 2534
- Germ-free environments, psychological response of acute leukemia patients to, 871
- Glioblastoma multiforme
- cell-mediated immune responses in long-surviving patients with, 660
 - recurrent immunotherapy of with autologous white cell infusions, 1037
- Glioma, optic nerve, radiation therapy in, 2079
- Glomus tumors, multiple infiltrating, in children, 1680
- Glycoproteins, serum, correlated with serum protein-bound carbohydrates, lymphocyte reactivity, and tumor burden, in cancer patients, 2264
- Glycosaminoglycan patterns, urinary, in hepatic angiosarcoma, 3050
- Goitrogens, tumorigenic effect of, 2188
- Gonadal dysgenesis, XY, gonadoblastoma and dysgerminoma in patient with, ultrastructure of, 1127
- Gonadoblastoma, ultrastructure of, in patient with XY gonadal dysgenesis, 1127
- Guanylate cyclase-guanosine 3'/5' monophosphate system of colonic mucosa, activation of by N-methyl-N'-nitro-N-nitrosoguanidine, 2600
- Gynecologic malignancies, intralymphatic BCG in treatment of, 2933

H

- Hamartomas, mesenchymal congenital multiple, myofibroblastic contraction in spontaneous regression of, 2343
- Hand, melanoma of, malignant, clinical behavior of, 3168
- Head and neck, tumors of, advanced, radiation therapy of, high dose intracavitary, 1071
- Heart, myxomas of, ultrastructural study of, 2216
- Hemangiopericytoma
- infantile, ultrastructure of, 2161
 - prostatic, with local extension, light and electron microscopic study of, 1122
- Hemostatic factors, in primary hepatocellular cancer, 1593
- Hepatoma, guinea pig, immunotherapy of with living BCG, 2930
- Hili, lesion of, transthoracic needle biopsy of, 1354
- Histiocytic lymphoma, with sclerosis arising from a nodular lymphoma with a special stromal reaction, 2203
- Histiocytoma
- fibrous malignant, chemotherapy of, 2010
 - fibrous malignant, ultrastructure of, 254
- Historical perspective on multiple primary cancer, 1786
- Hodgkin's disease, see Lymphosarcoma
- Hormones
- estrogen receptors, in mammary cancer, factors affecting, 1571
 - estrogen receptor, in mammary carcinoma, low incidence of in carcinomas with rapid rate of cellular replication, 2290
 - gonadal, influence on 1,2-dimethylhydrazine-induced colon carcinogenesis, 2502
 - in treatment of prostatic carcinoma, 2836
 - sex, multiple primary carcinogenesis by, experimental basis for, 1825
 - testosterone, methyl oral, hepatocellular carcinoma and multiple hepatic adenomas in man taking for 11 years, 1765
- Hydrazines
- carcinogenic effect of, in large intestine, 2427
 - 1,2-dimethylhydrazine, carcinogenic effect of, in colon, inhibition of by selenium, 2557
 - 1,2-dimethylhydrazine, carcinogenic effect of, in colon, metabolism and mode of action of, 2436
 - 1,2-dimethylhydrazine, relation to alteration in fecal microflora enzymes, 2421
- Hyperbilirubinemia, during induction therapy of acute granulocytic leukemia, 1390
- Hypernatremia, marked, with prostatic oat cell carcinoma and ectopic ACTH, 773
- Hyperparathyroidism, in person treated with x rays for tuberculous cervical adenitis, 846
- Hyperthermia
- local tumor, in combination with radiation therapy, in malignant cutaneous lesions, 161
 - systemic, description of method and physiologic tolerance, 3155

I

- *I-bleomycin, pharmacokinetics of in tumor-bearing mice, 2923
- *I-fibrinogen, pharmacokinetics of, in tumor-bearing mice, 2923
- Immunology
 - alpha-fetoprotein, in testicular germ cell tumors, cellular localization of with immunoperoxidase technique, 2136
 - alpha-fetoprotein, serum levels of, after hepatic artery ligation and postoperative chemotherapy in hepatocellular carcinoma patients, 615
 - alpha-fetoprotein, serum levels of, in hepatocellular carcinoma patients, 779
 - antibody-dependent cell-mediated cytotoxicity in treated and nontreated cancer patients, 1045
 - antibody response, in normal infants and in infants receiving chemotherapy for congenital neuroblastoma, 994
 - antigen, carcinoembryonic, in exfoliated cells of urothelial carcinoma, 1511
 - antigen, carcinoembryonic, quantitative relationship to tumor cells of different organs, 808
 - antigen, carcinoembryonic, serum levels in uterine adenocarcinoma patients, 2953
 - antigen, hepatitis B-positive chronic liver disease associated with cirrhosis and hepatocellular carcinoma in the Senoi, 1618
 - antigen, histocompatibility (HLA), expression on tumor cells and normal cells from patients with melanoma, 36
 - antigen, melanoma soluble, skin tests with in patients with choroidal tumors, 1650
 - antigen, membrane soluble, in brain tumors, 660
 - antigen, tumor, in cervical squamous cell carcinoma, radioimmunoassay for, 1621
 - antigen, tumor circulation, detection of, 458
 - chemoimmunotherapy, in canine lymphosarcoma, 2102
 - chemoimmunotherapy, in large intestinal cancer, metastatic, with BCG and levamisole, 2731
 - immune reactions, cell-mediated, to human tumors, 448
 - immune responses, cell-mediated, in long surviving glioblastoma multiforme patient, 660
 - immune status, cell-mediated, of colon cancer patients, 2716
 - immune status, host, relationship to tumor cell arrest, distribution and survival in experimental metastasis, 46
 - immunity, cellular, in colorectal adenocarcinoma patients, measured by autologous leukocyte migration inhibition, 687
 - immunity, cellular, to Herpes Simplex virus in man, K-cell activity to HSV-1 infected target cells in disease, 42
 - immunity, tumor-specific, transfer of with syngeneic spleen cell and serum from mice with large tumors and metastases, 1643
 - immunoblastic sarcoma, complicated by vaccinia necrosum, 226
 - immunochemical detection of prostaglandin E and cyclic nucleotides in human malignant tumors, 1629
 - immunoglobulins, translocation of across intestinal epithelium, 2497
 - immunohistologic study of thyroidal medullary carcinoma and pancreatic insulinoma, 1060
 - immunopathies, familial, 2094
 - immunoperoxidase technique, indirect, in cellular localization of alpha-fetoprotein and human chorionic gonadotropin in testicular germ cell tumors, 2136
 - immunoproliferative small intestinal disease, "Mediterranean abdominal lymphoma," 2941
 - immunosuppressed mice, colonic carcinoma in, human cell-line derived, chemotherapy of, 2651
 - immunosuppressed patients, pulmonary candidiasis in, pathoradiologic correlation of, 1026
 - immunosuppression, in carcinogenic action of anti-cancer drugs, 1927
 - immunotherapy, in colorectal cancer, adjuvant, 2726
 - immunotherapy, in glioblastoma multiforme, recurrent, with autologous white cell infusions, 1037
 - immunotherapy, in hepatoma, guinea pig, with living BCG, 2930
 - immunotherapy, in large intestinal cancer, 2710
 - immunotherapy, in large intestinal cancer, active specific, 2740
 - immunotherapy, in large intestinal cancer, specific, with immune RNA, 2747
 - immunotherapy, in mammary cancer, prolonged survival after, 30
 - immunotherapy, need for more realistic model systems of, 467
- Indium-111-bleomycin, pharmacokinetics of in tumor-bearing mice, 2923
- Infection
 - central nervous system, in cancer patients, 268
 - clostridium septicum, in childhood leukemia, 950
- Insulinoma, pancreatic, immunohistologic study of, 1060
- Intestine (large) (see also Colon, Rectum)
 - cancer of, cell fractionation of, 2479
 - cancer of, early detection of, evaluation of markers in, 2620
 - cancer of, early diagnosis of, role in controlling, 2609
 - cancer of, immunotherapy of, 2710
 - cancer of, immunotherapy of, active specific, 2740
 - cancer of, immunotherapy of, specific, with immune RNA, 2747
 - cancer of, individuals at high-risk for, identification of, 2523
 - cancer of, individuals at high risk for, identification of and application of preventive measures, 2531
 - cancer of, metastatic, chemoimmunotherapy of, with BCG and levamisole, 2731
 - cancer of, molecular changes associated with and their potential as markers and chemotherapeutic agents, 2576

- cancer of, National Large Bowel Cancer Project, progress of, goals, objectives, and programs, 2406
- cancer of, prevention of, by surgical and medical measures, 2549
- cancer of, 1977 Workshop on Large Bowel Cancer, summary of, 2758
- cancer of, 1977 Workshop on Large Bowel Cancer, welcoming remarks, 2405
- carcinogenesis in, and polyunsaturated fat and cholesterol, 2455
- carcinogenesis in, by bracken fern, inhibition of by various chemicals, 2450
- carcinogenesis in, by hydrazines and related compounds, 2427
- carcinoma of, "transitional" mucosa adjacent to, ultrastructure of, 2509
- deoxyribonucleic acid, in methylation of in rats treated with methylazoxymethanol acetate, 2580
- epithelium of, translocation of immunoglobulins across, 2497
- musosa of, normal and neoplastic, enzymes variants in, 2594
- Intestine (small)
- immunoproliferative disease of, "Mediterranean abdominal lymphoma," 2941
- perforation of, secondary to metastatic carcinoma of the lung, 410
- primary lymphoma of, and thymoma, 1755
- Intramuscular injection, extraosseous osteogenic sarcoma following, 3097
- Ischemia of the forearm and hand as rare complication of mammary carcinoma, 371
- K**
- Kidney
- adenocarcinoma of, adenosine deaminase activity in patients with, 796
- neoplasia of, infantile, cystic partially differentiated nephroblastoma, 789
- papillary necrosis of, associated with renal candidiasis, in Hodgkin's disease patient, 2309
- L**
- Lacrimal sac, papilloma of, inverted, 2303
- Lactobacillus, supplements of, relation to alterations in fecal microflora enzymes, 2421
- Laparoscopy, in staging of untreated non-Hodgkin's lymphoma, with laparotomy and marrow biopsy, 2322
- Laparotomy, routine staging, necessity of in Stage IA and IIA Hodgkin's disease, 2914
- Larynx
- carcinoma of, adenoid cystic, 1307
- supraglottic, carcinoma of, integrated management of, 2874
- Lesions, mediastinal and hilar, transthoracic needle biopsy of, 1354
- Leukemia
- acute, chemotherapy in, multidrug, TRAMPCOL, 20
- acute, long term survival with in Argentina, 1402
- acute, near-haploidy in, 1143
- acute, Ph¹ chromosome in, significance of, 1149
- acute, psychological response of patients to germ-free environments, 871
- adult acute, frequency of central nervous system involvement in long term survivors, 1304
- carcinoma cell, due to metastatic mammary carcinoma, 3107
- cell lines derived from patients with, 1481
- central nervous system, maintenance therapy following treatment of, value of, 1005
- childhood acute, five-year survivors among, in Japan, 349
- childhood, chemotherapy of, effects of continuous or discontinuous maintenance therapy on subsequent remission maintenance, 2005
- childhood, clostridium septicum infection in, 950
- chromosomes and causation of, 1143, 1149, 1161, 1173
- granulocytic acute, hyperbilirubinemia during induction therapy of, 1390
- granulocytic chronic, lymphoid blast crisis at onset of, 865
- leukemic cell line, human, "null," 2131
- lymphoblastic acute, banding studies in, 1161
- lymphoblastic acute, plasma coagulation factors in, effect of l-asparaginase on, 1398
- lymphocytic childhood acute, complete remodeling of the vertebrae in a child successfully treated for, 398
- lymphocytic chronic, clinical staging system for, prognostic significance, 855
- myeloblastic childhood acute, cytosine arabinoside and 6-thioquanine in treatment of, 998
- myelocytic chronic, vs. idiopathic myelofibrosis, diagnostic problem in bone marrow biopsies, 1548
- myelogenous, acute, in early pregnancy, consequences of, 1300
- myelogenous adult acute, cytosine arabinoside in, intrathecal, paraparesis following, 2817
- myelomonocytic acute, terminating in histiocytic medullary reticulosis, 1735
- nonlymphoblastic childhood acute, combination chemotherapy in, 1417
- nonlymphocytic acute, delayed complication of Hodgkin's disease therapy, 1280
- nonlymphocytic acute, in elderly patients, chemotherapy of, intensive, 647
- nonlymphocytic acute, in nodular lymphoma patients, 1748
- prolonged remission of, associated with polycythemia vera, 1297
- Levamisole, in chemioimmunotherapy of large intestinal cancer, metastatic, with BCG, 2731
- Lip, carcinoma of, demographic and geographic incidence of, 340
- Liver
- angiosarcoma of, urinary glycosaminoglycan pattern in, 3050
- chronic disease of, HBsAg-positive, associated with cirrhosis and hepatocellular carcinoma in the Senoi, 1618
- deoxyribonucleic acid in, methylation of in rats

- treated with methylazoxymethanol acetate, 2580
- hepatocellular adenoma, benign, related to methandienone administration, long term, 1761
- hepatocellular adenoma, benign, related to oral contraceptive use, 1759
- hepatocellular cancer, primary, hemostatic factors in, 1593
- hepatocellular carcinoma, alpha-fetoprotein in, serum, 779
- hepatocellular carcinoma, alpha-fetoprotein levels in patients after hepatic artery ligation and post-operative chemotherapy, 615
- hepatocellular carcinoma and multiple hepatic adenomas, in man on oral methyl testosterone for 11 years, 1765
- hepatocellular carcinoma, encapsulated, clinicopathologic features of, 1240
- hepatocellular carcinoma, in woman on long term oral contraceptives, 884
- hepatocellular carcinoma, primary, associated with HBsAg-positive chronic liver disease in the Senoi, 1618
- hepatocellular carcinoma, primary, treatment of, quadruple chemotherapy vs. radiotherapy, 609
- hepatocellular carcinoma SGOT and SGPT ratios in, 319
- Lung**
- bronchogenic cancer, histologic types of, in relation to different conditions of radiation exposure, 832
- cancer of, advanced locally, treatment of, clinical report on, 72
- cancer of, amylase-producing, ultrastructural and biochemical studies, 766
- cancer of, methotrexate compared with placebo in, 4
- cancer of, multiple primary with other sites, 1954
- cancer of, treatment of by chemotherapy, radiotherapy and methanol extract of BCG, 1052
- candidiasis of, in immunosuppressed patients, pathoradiologic correlation of, 1026
- carcinoma of, alveolar cell, intranuclear tubular structures observed in, 1194
- carcinoma of, chemotherapy after resection of, adjuvant, 2057
- carcinoma of, metastatic, small bowel perforation secondary to, 410
- carcinoma of, oat cell, combination chemotherapy and radiation therapy in, 653
- carcinoma of, scanning electron microscopic study of, 707
- carcinoma of, small cell anaplastic, chemotherapy of with oral VP-16-213 (4'-demethylepipodophyllotoxin 9-(4,6-Oethylidene- β -D-glucopyranoside), 633
- metastasis to, from osteosarcoma, 3054
- methotrexate reaction in, sudden fatal, 1393
- oncocyoma of, 1330
- paraganglioma of, primary, 2286
- plasmacytoma of, solitary secretory, in 14-year-old boy, 2329
- rhabdomyosarcoma of, arising in congenital adenomatoid malformation, 383
- tumorigenesis in, in Syrian Gold Hamsters after intrathecal instillations with automobile exhaust condensate, 203
- tumors of, oat cell and carcinoid, comparative epidemiology of, 1671
- Lymphadenopathy, angioimmunoblastic, with dysproteinemia, 2152
- Lymphangiography
- in management of malignant lymphoma, 1439
- in ovarian epithelial cancer patients, 1444
- Lymphangiomyomatosis, with chylous ascites, treatment with dietary fat restriction and medium chain triglycerides, 895
- Lymphatic spread, retrograde, as are complication of breast carcinoma, 371
- Lymph nodes, metastases to, regional, unsuspected, from prostatic adenocarcinoma, clinicopathologic features of, 1212
- Lymphograms, in children, 1097
- Lymphoid blast crisis, at onset of chronic granulocytic leukemia, 865
- Lymphoma**
- adult resistant, high dose methotrexate with citrovorum factor in, 2823
- Burkitt's abdominal, combination chemotherapy in, 1410
- Burkitt's, bone marrow involvement in, 1771
- Burkitt's, Japanese, Epstein-Barr virus-negative B-cell lymphoma line from, serial passage of in hamsters, 2999
- cell lines derived from patients with, 1481
- composite, 959
- histiocytic, with sclerosis arising from a nodular lymphoma with a special stromal reaction, 2203
- malignant, gallium-67-citrate scanning and lymphangiography in current management of, 1439
- malignant, of peripheral T-lymphocyte origin, 1604
- nodular, leukemia in patients with, acute non-lymphocytic, 1748
- non-Hodgkin's, during pregnancy, combination chemotherapy of including bleomycin, 2829
- non-Hodgkin's, early nodal and extranodal, 98
- non-Hodgkin's, in first two decades of life, 1533
- non-Hodgkin's, nodular, coexistence of nodular and diffuse patterns in, 1229
- non-Hodgkin's, untreated, sequential pathologic staging of, by laparoscopy and laparotomy, combined with marrow biopsy, 2322
- small intestinal, "Mediterranean," 2941
- small intestinal, primary, and thymoma, 1755
- Lymphopenia, caused by cranial irradiation in children receiving craniospinal radiotherapy, 1102
- Lymphosarcoma**
- canine, chemoimmunotherapy for, 2102
- eosinophilic meningitis complicating, 406
- epidemiologic and histologic patterns of, in Blacks, 3133
- pelvic irradiation and routine staging laparotomy in, necessity in Stage IA and IIA, 2914
- radiation therapy in, extended field, analysis of failures, 2896
- renal papillary necrosis associated with renal can-

- didiasis in patient with, 2309
- risk of new cancer in patients with, 1912
- therapy of, acute nonlymphocytic leukemia as delayed complication of, 1280
- treatment of, combined modality, in Stages IIB and IIIB, 84
- treatment of, comparison of two different treatment policies, in Stage I and II, 90
- Lymphosarcoma cells, B-cell, in cerebrospinal fluid, scanning electron microscopic and immunologic study of, 716

M

- Macrocytosis, erythroid, in American Indian family with multiple childhood osteosarcomas and skeletal abnormalities, 3115
- Malignancy
 - arising in extragonadal endometriosis, 3065
 - disseminated, thymosin effect on patients with, 14
 - gynecologic, intralymphatic BCG in treatment of, 2933
 - leukocyte alkaline phosphatase activity in patients with, 1194
- Manual breast examination, progress in, 364
- Mechlorethamine, topical adjuvant, in treatment of mycosis fungoides, after electron beam therapy, 2851
- Mediastinum, lesions of, transthoracic needle biopsy of, 1354
- Medulloblastoma
 - characterization and radiobiologic parameters of, *in vitro*, 1087
 - LDS Hospital experience, 56
- Melanoma
 - antigens of, histocompatibility (HLA), expressed on tumor cells and normal cell from patients with, 36
 - antigens of, soluble, skin tests with in patients with choroidal tumors, 1650
 - choroidal, skin tests with soluble melanoma antigens in patients with, 1650
 - malignant, choroidal, lymphocytic infiltration in, prognostic significance of, 2388
 - malignant, classification of by microscopic level (stage), comparative, 3112
 - malignant, cutaneous, multiple primary malignancies in patients with, 1974
 - malignant, dermal, prognosis in, 389
 - malignant, karyotypic changes in, 1173
 - malignant, metastatic, autologous irradiated tumor cells plus BCG in patients with, 2091
 - malignant, metastatic, methyl-CCNU and DTIC in, 1010
 - malignant, of hands and feet, comparison of clinical behavior, 3168
 - malignant, viral oncolysate in management of, 672, 680
- Melphalan, see Alkylating agents
- Meningitis, eosinophilic, complicating Hodgkin's disease, 406
- Mesenchymal hamartomas, congenital multiple, myofibroblastic contraction in spontaneous regression of, 2343
- Mesothelioma
 - atrioventricular node, ultrastructure of, 721
 - diffuse, scanning electron microscopic study of, 707
 - malignant, chemotherapy of, 2038
- Metastasis
 - from colonic adenocarcinoma, "primary" experimental, effect of surgical resection on, 1492
 - from squamous cell carcinoma of upper respiratory and digestive tract, distant, analysis of, 145
 - to bone, solitary functioning, from malignant pheochromocytoma of organ of Zuckerkandl, 3092
 - to breast from malignant carcinoid tumor, 3102
 - to lung, from osteosarcoma, 3054
 - to lymph node, regional, unsuspected, from prostatic adenocarcinoma, clinicopathologic features of, 1212
 - to spine, from gallbladder adenocarcinoma, myelopathy due to, 2338
 - experimental, relationship of host immune status to tumor cell arrest, distribution and survival in, 46
- Methotrexate, see Antimetabolites
- Methylazoxymethanol, carcinogenic effect of, in colon, inhibition of by selenium, 2557
- Methylazoxymethanol acetate, methylation of intestinal and hepatic DNA in rats treated with, 2580
- N-Methyl-N'-nitro-N-nitrosoguanidine, in activation of guanylate cyclase-guanosine 3'5' monophosphate system in colonic mucosa, 2600
- Molluscum contagiosum, in association with pseudo-leukemia cutis, 813
- Mononucleosis, infectious, cell lines derived from patients with, 1481
- Mouth
 - buccal cavity, carcinoma of, demographic and geographic incidence of, 340
 - oral cavity, cancer of, epidemiology of, outside of North America and Western Europe, 1879
 - oral mucosa, cancer of, adenoid squamous cell, 2250
- Mucosa
 - colonic, activation of guanylate cyclase-guanosine 3'5' monophosphate system of by N-methyl-N'-nitro-N-nitrosoguanidine, 2600
 - intestinal, normal and neoplastic, enzyme variants in, 2592
 - "transitional," adjacent to large intestine carcinoma, ultrastructure of, 2509
- Mummification, experimental study of, pertinent to the antiquity of, 1358
- Mutagenesis, induction in cell cultures by cancer chemotherapeutic agents, 1930
- Mycosis fungoides treatment of, with adjuvant topical mechlorethamine after electron beam therapy, 2851
- Mycotoxins, fusaria, and spontaneous tumors in animals and man, 1833
- Myeloma, multiple, combination chemotherapy in, 1
- Myelopathy, due to spinal metastasis from gallblad-

- der adenocarcinoma, 2338
- Myelofibrosis, chronic, vs. chronic myelocytic leukemia, a diagnostic problem in bone marrow biopsies, 1548
- Myeloproliferative disorder, unusual cytoplasmic inclusions in, ultrastructure of, 2111
- Myelosuppression, severe, from piperazinedione, with cyclophosphamide plus DTIC, 1386
- Myoepithelioma, of parotid gland, malignant, 3042
- Myofibroblastic contraction in spontaneous regression of multiple congenital mesenchymal hamartomas, 2343
- Myositis, focal, 301
- Myxomas, cardiac, ultrastructural study of, 2216

N

- Nafoxidine, in adrenalectomized mammary cancer patients advanced, 2063
- Nasopharyngoscope in examination of nasopharyngeal carcinoma, primary, 2353
- Nasopharynx
 - cancer of, in patients under age of 30 years, 2312
 - carcinoma of, primary, nasopharyngoscope and camera examination of, 2353
 - nonepithelial tumors of, 1314
- National Cancer Plan, long range goals of, 2572
- Necrosis, renal papillary, associated with renal candidiasis, in Hodgkin's disease patient, 2309
- Neoplasia
 - biologic nature of, implications of multiple tumor induction in rodent skin for, 1821
 - colonic, early detection of, in patients at high risk, 2625
 - colorectal, detection of, by fecal occult-blood testing, 2616
 - trophoblastic, complete remission criteria with use of human chorionic gonadotropin (HCG) excretion pattern as parameter, 1016
 - tuberculous disseminated, atypical, antedating the clinical onset of, 1276
- Neoplasm
 - pleomorphic B-cell, with monoclonal IgA secretion, 2948
 - salivary gland, malignant major, chemotherapy of, 619
- Nephroblastoma
 - cystic, partially differentiated, 789
 - histopathological study of, in Fist Medical Research Council Nephroblastoma trial, 1519
- Nerve, cranial, palsy of, radiation-induced, 152
- Neuroblastoma
 - acute phase reactants in patients with, prognostic value of, 1655
 - chromosomal aberrations in, human, 2256
 - congenital, antibody responses in infants receiving chemotherapy for, 994
 - intracerebral differentiating, 784
- Nevi, spindle and epithelioid cell, Spitz nevus, in children and adults, 217
- Nevus, blue benign, vaginal, 3174
- Nicotinamide, role in diethylnitrosamine carcinogenesis, 1833
- Nitrosamines and nitrosamides in etiology of gastrointestinal cancer, 2446
- Nitrosoureas
 - 1,3-bis(2-chloroethyl)-1-nitrosourea (BCNU), in mammary carcinoma, metastatic drug-resistant, with adriamycin and cyclophosphamide, 987
 - methyl-CCNU, in colorectal cancer, advanced, with 5-FU, 2792
 - methyl-CCNU, in metastatic melanoma, with DTIC, 1010
- Nonhematopoietic cancer, bone marrow biopsy, osteoscan, and peripheral blood in, 836
- Normal tissue, acute and late effects of multimodal cancer therapy on, 489
- Nose
 - esthesioneuroma of, of neural crest origin, histochemical and biochemical approach to, 314
 - nasal cavity, nonepithelial tumors of, 1314
- Nuclear medicine, see Roentgenology

O

- Olfactory esthesioneuroma, histochemical and biochemical approach to, 314
- Oncocytoma, pulmonary, 1330
- Oncology, medical, guidelines for training in, from the American Board of Internal Medicine, 2395
- Oncolysate, viral, in management of malignant melanoma, 672, 680
- Oral contraceptives
 - hepatocellular adenoma, benign, related to use of, 1759
 - hepatocellular carcinoma in woman using, 884
 - role in epidemiology of cervical dysplasia, 3076
- Organ of Zuckerkandl, pheochromocytoma of, malignant, osseous metasasis from, solitary functioning, 3092
- Osteogenic sarcoma
 - combination chemotherapy in, with bleomycin, cyclophosphamide, and dactinomycin, 2779
 - extraosseous, following intramuscular injection, 3097
- Osteosarcoma
 - childhood multiple, in American Indian family with erythroid macrocytosis and skeletal abnormalities, 3115
 - intrasosseous well differentiated, 1337
 - metastatic, aggressive multimodality therapy of, preliminary results, 78
 - metastatic to lung, 3054
- Osteoscan, in nonhematopoietic cancer, 836
- Ovary
 - cancer of, epithelial, lymphangiography in, 1444
 - cancer of multimodal therapy of, 588
 - carcinoma of, clear cell, light and electron microscopic studies, 3030
 - tumor of, lipid cell, ultrastructure, 234
 - tumor of, mixed germ cell-sex cord stroma, associated with isosexual precocious puberty in a normal girl, 889

P

- Paget's disease, vulvar, intraepithelial, progressing to invasive vulvar carcinoma, 2333
- Palsy, cranial nerve, radiation-induced, 152
- Pancreas
adenocarcinoma of, advanced, treatment of with streptozotocin plus 5-FU and streptozotocin plus cyclophosphamide, 605
insulinoma of, immunohistologic study of, 1060
- Papilloma, inverted, of lacrimal sac, paranasal sinuses, and cervical region, 2309
- Parachordoma, new clinicopathologic entity, 1586
- Paraganglioma, pulmonary, primary, 2286
- Paranasal sinus
carcinoma of, 3038
nonepithelial tumors of, 1314
papilloma of, inverted, 2309
- Paraparesis, following intrathecal cytosine arabinoside, in adult myelogenous leukemia, 2817
- Paraproteinemia, IgA, in pleomorphic B-cell neoplasm, 2948
- Parotid gland
cylindroma of, dermal-type multicentric, in florid turban tumor patient, 1702
myoepithelioma of, malignant, 3042
tumor of, malignant, natural history and treatment, 136
- Penis
cancer of, surgical treatment of, 1697
carcinoma of, giant condyloma in a Ugandan series of cases, variation in appearance of, 1686
- Peritoneal drainage, in malignant, ascites, quantitative measurement of, 2375
- Pharmacokinetics, anticancer drugs, selectivity of action related to physicochemical properties and kinetic patterns of, 519
- Pharynx, cancer of, epidemiology of, outside of North America and Western Europe, 1879
- Pheochromocytoma
malignant, of organ of Zuckerkandl, osseous metastasis from, solitary functioning, 3092
malignant, presenting the Brown-Sequard syndrome, 402
100 cases at Columbia-Presbyterian Medical Center, 1926-1976, clinicopathologic study, 1987
with angiomatous features, 275
- Pinna, carcinoma of, 2891
- Piperazindione, severe myelosuppression resulting from, with cyclophosphamide and DTIC, 1386
- Placental proteins as tumor markers in prostatic carcinoma, 211
- Plasma coagulation factors, in acute lymphoblastic leukemia, effect of L-asparaginase on, 1398
- Plasmacytoma, pulmonary, solitary secretory, in 14-year-old boy, 2329
- Plasma membranes, colonic, normal and malignant, isolation and purification of, 2487
- Plasmapheresis, in disseminated cancer patients, clinical results and correlation with changes in serum proteins, 3146
- Plexus, vertebral venous, (Batson's), in spread of metastatic colorectal carcinoma, 67
- Polycythemia vera, associated with prolonged remission of leukemia, 1297
- Polyhistioma, bone and extraskeletal tissue tumor, malignant, 2116
- Polyposis
colonic, hereditary, diagnostic value of colonoscopy, barium enema, and fecal occult blood in, 2632
familial, chromosomes studies in, 2531
- Prealbumin, in cancer patient sera, interrelationship with α -1 glycoprotein, 2993
- Pregnancy
early, acute myelogenous leukemia in, consequences of, 1300
lymphoma during, non-Hodgkin's, multiple agent chemotherapy of including bleomycin, 2829
- Prostaglandin-E, in human malignant tumor, direct immunochemical detection of, 1629
- Prostate
adenocarcinoma of, regional lymph node metastases, 1212
adenocarcinoma of, Stage C, needle biopsy after irradiation for, 156
carcinoma of, classification of, flow microfluorometry and transrectal fine-needle biopsy in, 1206
carcinoma of, freeze-fracture observation on the membranes and junctions in, 1182
carcinoma of, localized, radiation therapy of, 1425
carcinoma of, oat cell, and ectopic ACTH and marked hyponatremia, 773
carcinoma of, placental proteins and their subunits as tumor marker in, 211
carcinoma of, untreated and estrogen-treated responsive and refractory, tumor morphology and hormone treatment in, 2836
hemangiopericytoma of, with local extension, light and electron microscopic study, 1122
hypertrophy of, benign, freeze-fracture observations on membranes and junctions in, 1182
- Proteins
chromosomal, in colonic cancer, changes in, 2584
placental, as tumor markers in prostatic carcinoma, 211
serum, changes in correlated with plasmapheresis in disseminated cancer patients, 3146
synthesis of, in colon cancer cell, selective inhibition of with sodium cyanate, 2692
synthesis of, lymphocyte, abnormal in bronchogenic carcinoma patients, 3014
- Pseudoleukemia cutis, associated with molluscum contagiosum, 813
- Psychological and social adjustment to mastectomy, 2381
- Psychological response of acute leukemia patients to germ-free environments, 871
- Puberty precocious, isosexual, associated with mixed germ cell-sex cord stroma ovarian tumor in a normal girl, 889
- Pyrazofurin

and biochemical aspects of murine colon carcinoma chemotherapy, 2681
phase I study of, 2806

R

- Rectosigmoid, cancer of, radiation therapy of, 595
Rectum, cancer of, management of, contemporary, 2365
Reticulosis, histocytic medullary, as termination of acute myelomonocytic leukemia, 1735
Retinoblastomas, treatment results at Indiana University Hospitals, 2917
Ribonucleic acid, immune, in specific immunotherapy of cancer, 2747
Roentgenology
 body scanner, use in radiation therapy treatment planning, 170
 fast neutron teletherapy, preliminary clinical result from U.S., 1434
 gallium-67-citrate scanning, in management of malignant lymphoma, 1439
 irradiation, mammary, breast cancer following, 2905
 irradiation, microwave, with radiation therapy in advanced cancer, 2854
 irradiation, pelvic, necessity of in Stage IA and IIA Hodgkin's disease, 2914
 irradiation, photon, effect on blood-brain permeability to methotrexate in mice, 1109
 irradiation, regional, long term effects on T and B lymphocytes in peripheral blood, 2071
 irradiation, response of cells to, molecular biology of, 471
 lymphangiography, in management of malignant lymphoma, 1439
 lymphangiography, in ovarian epithelial cancer patients, 1444
 lymphograms, in children, 1097
 mammography, patterns of, in breast cancer, 2087
 nuclear medicine techniques, in cancer diagnosis, recent advances in, 495
 radiation exposure, histologic type of bronchogenic cancer in relation to different conditions of, 832
 radiation-induced cranial nerve palsy, 152
 radiation response, cellular, substances which modify, use in radiation therapy, 484
 radiation therapy, application of substances which modify cellular radiation response in, 484
 radiation therapy, craniospinal, in children, lymphopenia caused by cranial irradiation, 1102
 radiation therapy, emotional reactions to, 180
 radiation therapy, in advanced cancer with 433MHz microwave therapy, 2854
 radiation therapy, in bladder cancer, preoperative, with cystectomy, 1077
 radiation therapy, in childhood, thyroid and breast cancer following, 2911
 radiation therapy, in colorectal carcinoma, advanced locally, elective postoperative, 105
 in endometrial cancer, treatment failure sites according to irradiation technique and histology in patients with, 131
 radiation therapy, in Ewing's sarcoma, local, 2864
 radiation therapy, in gallbladder and biliary tract carcinoma, 1422
 radiation therapy, in head and neck tumors, advanced, intracavitary high dose, 1071
 radiation therapy, in hepatocellular carcinoma, primary, vs. quadruple chemotherapy, 609
 radiation therapy, in Hodgkin's disease, extended field, analysis of failures, 2896
 radiation therapy, in Hodgkin's disease, Stages I and II, comparison of two treatment policies, 90
 radiation therapy, in Hodgkin's disease, Stages IIB and IIIB, with chemotherapy, 84
 radiation therapy, in malignant cutaneous lesions, with local tumor hyperthermia, 161
 radiation therapy, in mycosis fungoides, electron beam, with topical mechlorethamine, 2851
 radiation therapy, in optic nerve glioma, 2079
 radiation therapy, in osteosarcoma, metastatic, with surgery and chemotherapy, 78
 radiation therapy, in ovarian cancer, with surgery and chemotherapy, 588
 radiation therapy, in prostatic adenocarcinoma, Stage C, needle biopsy after, 156
 radiation therapy, in prostatic carcinoma, localized, 1425
 radiation therapy, in pulmonary cancer, advanced locally, with or without chemotherapy, 72
 radiation therapy, in pulmonary cancer, with chemotherapy and methanol extract of BCG, 1052
 radiation therapy, in pulmonary carcinoma, oat cell, with combination chemotherapy, 653
 radiation therapy, in rectosigmoid cancer, 595
 radiation therapy, in rhabdomyosarcoma, 1205
 radiation therapy, in rhabdomyosarcoma of extremity, childhood, 2810
 radiation therapy, in spinal tumors, extradural metastatic, combined with chemotherapy, 2067
 radiation therapy, in supraglottic carcinoma, 2874
 radiation therapy, in tuberculous cervical adenitis patients, hyperparathyroidism in, 846
 radiation therapy, in vaginal carcinoma, primary, 109
 radiation therapy, in Wilms' tumor, metastatic, breast carcinoma following, 1450
 radiation therapy, particle, experimental basis and clinical application, 481
 radiation therapy, treatment planning, use of body scanner in, 170
 radiobiologic parameters, of medulloblastoma, 1087
 radiography, in demonstration of multicentricity of breast carcinoma, correlated with subgross examination, 1726
 radioimmunoassay, in determination of clinical pharmacology of bleomycin after intravenous infusion, 2772
 radioimmunoassay, for tumor antigen of cervical squamous cell carcinoma, 1621

- radioiodine I-131, in thyroid cancer management, 195
radiology, diagnostic, problems and prospects, 500
radiology, pathoradiologic correlation of pulmonary candidiasis in immunosuppressed patients, 1026
radiomimetic chemicals, response of cells to, molecular biology of, 471
radiopharmaceuticals, oncophilic, comparison of, in tumor-bearing mice, 2923
- Rhabdomyosarcoma**
Intergroup Rhabdomyosarcoma Study, preliminary report, 1205
of the extremity, childhood, combined therapy of, 2810
pulmonary, arising in congenital cystic adenomatoid malformation, 383
- S**
- Salivary gland**
carcinoma of, major and minor, treatment results and sites and causes of failure, 2882
neoplasms of, malignant major, chemotherapy of, 619
- Sarcoma**
cervical, granulocytic primary, without leukemic features for 26 months, 3030
endometrial stromal, 898
Ewing's, local tumor control in, 100D
human, growing in culture, 744
immunoblastic, vaccinia necrosum complicating, 226
lymphocytes in patients with, thymus-dependent and non-thymus dependent, 803
mammary, clinicopathologic analysis, 1577
osteogenic, combination chemotherapy in, with bleomycin, dactinomycin and cyclophosphamide, 2779
osteogenic extraosseous, following intramuscular injection, 301D
soft tissue, peripheral B and T-lymphocyte counts in patients with, 667
soft tissue, staging system for, clinical and pathologic, 1562
- Scanner, body, use in radiotherapy treatment planning, 170**
- Screening**
mammary, in women less than 50 years old, value of, 1
mass population, for breast cancer, 1659
- Selenium in inhibition of 1, 2-dimethylhydrazine and methylazoxymethanol colon carcinogenesis, 2557**
- Seminoma, testicular, anaplastic, 3082**
- Serum alpha-fetoprotein in hepatocellular carcinoma, 779**
- Sera from cancer patients, agglutination of murine tumor cells by, 693**
- Serum glutamaic oxalacetic transaminase /glutamic pyruvic transaminase ratios in hepatocellular carcinoma, 319**
- Serum glyrogens, and serum protein-bound carbohydrates, correlated with lymphocyte reactivity and tumor burden in cancer patients, 2264**
- Serum immunoglobulins, in neuroblastoma patients, prognostic value of, 1656**
- Serum prealbumin and α -1 acid glycoprotein in cancer patients, 2993**
- Serum, transfer of tumor-specific immunity with, from mice with large tumors and metastases, 1643**
- Serum vitamin B₁₂ and transcobalamin abnormalities in cancer patients, 1348**
- Skeletal muscle, focal myositis of, 301**
- Skin**
fibroxanthoma of, atypical, ultrastructural study, 1471
lesions of, malignant, radiation therapy with hyperthermia in treatment of, 161
rodent, multiple tumor induction in, implication for the biologic nature of neoplasia, 1821
trichoeplithelioma of, desmoplastic, 2979
- Sodium cyanate, as selective inhibitor of protein synthesis in colon cancer cells, 2692**
- Soft tissue sarcomas, staging systems for, clinical and pathologic, 1562**
- Spinal cord compression of, secondary to metastatic mammary carcinoma, detected on bone scan, 3074**
- Spine**
metastasis to, from gallbladder adenocarcinoma, myelopathy due to, 2338
tumors of, extradural metastatic combined therapy for, 2067
- Spitz nevus, in children and adults, 217**
- Staging**
in chronic lymphocytic leukemia, clinical, prognostic significance, 855
in lymphoma, non-Hodgkin's untreated, sequential, by laparoscopy and laparotomy combined with marrow biopsy, 2322
in melanoma, malignant, by microscopic level, comparative, 3112
Statistical methods for studying multiple primary malignant neoplasms, 1892
Steroids, methandienone, benign hepatocellular adenoma associated with long term administration of, 1761
Stomach, carcinoma of, survival following resection for, factors related to, 1318
- Surgery**
adrenalectomy, in mammary cancer patients, advanced, naxfoxidine after, 2063
cystectomy, for bladder cancer, with preoperative radiation regimen, 1077
hepatic artery ligation, in hepatocellular carcinoma patients, serum alpha-fetoprotein levels after, 615
large intestinal in cancer, prevention of, 2549
in mammary cancer, primary, biological and clinical considerations, 574
in murine tumors, metastatic, chemotherapy adjuvant to, 558

- in osteosarcoma, metastatic, with chemotherapy and radiation therapy, 78
- in ovarian cancer, with radiation and chemotherapy, 588
- in penile cancer, 1697
- in rhabdomyosarcoma of extremity, childhood, 2810
- laryngectomy, in supraglottic carcinoma, 2874
- mastectomy, psychological and social adjustment to, 2381
- resection, in colonic adenocarcinoma, "primary" experimental, effect on survival and incidence of metastases, 1492
- resection, in gastric carcinoma, survival following, factors related to, 1318
- resection, in pulmonary carcinoma, adjuvant chemotherapy after 2057
- T**
- Teratoma, mature, evolution of from malignant testicular tumors, 2987
- Testis
- seminoma of, anaplastic, 3082
 - tumor of, germ cell, alpha-fetoprotein and human chorionic gonadotropin in, cellular localization of using immunoperoxidase technique, 2136
 - tumor of, germ cell, combination chemotherapy of, with vincristine, adriamycin, cyclophosphamide, actinomycin D, and medroxyprogesterone acetate, 638
 - tumor of, malignant, evolution of mature teratoma from, 2987
- 6-thioguanine, in leukemia, myeloblastic childhood acute, with cytosine arabinoside, 998
- Thymoma
- and lymphoma of small intestine, primary, 1755
 - ratio of lymphocytes to epithelial cells in, 1222
- Thymosin, effect on patients with disseminated malignancies, 14
- Thyroid
- cancer of, following childhood radiation, 2911
 - carcinoma of, medullary, immunohistologic study of, 1060
 - carcinoma of, medullary, in monolayer culture, 3004
 - carcinoma of, ultrastructure and biochemistry of, 284
 - tumors of, malignant primary, clinicopathologic study, 1501
- Tobacco and alcohol consumption in relation to development of multiple primary cancers, 1872
- Topographic approach to spread of breast cancer, 928
- Transcobalamin abnormalities in cancer patients, 1348
- Transplantation, xenografts of human colon cancer in athymic nude mice, chemotherapy of, 2640
- Triazinate (Baker's Antifol), in colorectal carcinoma, advanced, phase II study, 9
- Trichoepithelioma, desmoplastic, 2979
- Trophoblastic neoplasia, complete remission from, criteria with use of HCG excretion pattern as parameter, 1016
- Tuberculosis, disseminated atypical, antedating the clinical onset of neoplasia, 1276
- Tumor
- adipose tissue (lipoma and liposarcoma), 1314
 - bone and extraskeletal tissue, malignant, polyhistioma, 2116
 - brain, soluble membrane antigens of, controlled testing for cell-mediated immune responses in long surviving glioblastoma multiforme patient, 660
 - carcinoid, malignant, metastasis to breast from, 3102
 - central nervous system in children, 3123
 - choroidal, skin tests with soluble melanoma antigens in patients with, 1650
 - colonic, human, kinetics of, potential for therapy, 2706
 - glomus, multiple infiltrating in children, 1680
 - head and neck, advanced, radiation therapy of, high dose intracavitary, 1071
 - immune reactions to, cell-mediated, human, 448
 - malignant, human, prostaglandin-E and cyclic nucleotides in, direct immunochemical detection of, 1629
 - metastatic, bone marrow examination for, biopsy and aspirate, 2317
 - multiple tumor induction in rodent skin, implications for the biologic nature of neoplasia, 1821
 - murine, metastatic, chemotherapy of, surgical adjuvant, 558
 - nonepithelial, of nasal cavity, paranasal sinuses, and nasopharynx, 1314
 - ovarian, lipid cell, ultrastructure of, 244
 - ovarian, mixed germ-cell-sex cord stroma, associated with isosexual precocious puberty in a normal girl, 889
 - parotid malignant, natural history and treatment, 136
 - pulmonary, oat-cell and carcinoid, comparative epidemiology of, 1671
 - solid, human, cell cycle parameters in, 1453
 - solid, human, cycling and noncycling cell populations of, 1462
 - spinal, extradural metastatic, combined therapy for, 2067
 - testicular germ cell, alpha-feto-protein and human chorionic gonadotropin in, cellular localization of using indirect immunoperoxidase technique, 2136
 - testicular, germ cell, combination chemotherapy of, with vincristine, adriamycin, cyclophosphamide, actinomycin D and medroxyprogesterone acetate, 638
 - testicular malignant, evolution of mature teratoma from, 2987
 - thyroidal, malignant primary, clinicopathologic study, 1501
 - turbanoid, multicentric dermal-type cyndromas

- of parotid gland in patients with, 1702
- Wilms', extrarenal, 3087
- Wilms', in New York State, epidemiology and survivorship, 3140
- Wilms', metastatic radiation therapy for, breast carcinoma following, 1450
- Tumor antigens, circulating, detection of, 458
- Tumor cells, autologous irradiated, plus BCG in patients, 2091
- Tumor cells, quantitative relationship of carcinoembryonic antigen to, in different organs, 808
- Tumor cell arrest, distribution and survival, in experimental metastasis, relationship to host immune status, 46
- Tumorigenic effect of two goitrogens, 2188
- Tumorigenesis, pulmonary, in Syrian Gold Hamsters after intrathecal instillations with automobile exhaust condensate, 203
- Tumor model, murine, comparison of oncophilic radiopharmaceuticals in, 2923
- Tumor-specific immunity, transfer of with syngeneic spleen cells and serum from mice with large tumors and metastases, 1643
- Turban tumor, florid, multicentric dermal-type cylindromas of parotid glands in patient with, 1702

U

- Upper respiratory tract, carcinoma of, squamous cell, metastases from, distant, analysis of, 145
- Upper digestive tract, carcinoma of, squamous cell, metastases from, distant, analysis of, 145
- Uterus
 - adenocarcinoma of, carcinoembryonic antigen levels in patients with, 2953
 - adenosarcoma of, Müllerian, ultrastructural study, 2233

V

- Vaccinia necrosum, complicating immunoblastic sarcoma, 226
- Vagina
 - blue nevus of, benign, 3174
 - carcinoma of, primary, radiation management of, 109
- Vasoactive intestinal peptide, in adult with watery diarrhea syndrome with ganglioneuroma-pheochromocytoma, 1526
- Vertebrae, remodeling of, in child successfully treated for acute lymphocytic leukemia, 398
- Virology
 - viral etiology of cancer, a realistic approach, 419
 - viral oncolysate, in management of malignant melanoma, 672, 680
 - virus, Herpes Simplex, in man, cellular immunity to, K-cell activity to HSV-1 infected target cells in disease, 42
 - virus, induction of multiple tumors by, 1841
- Vitamin A, in prevention of colon carcinogenesis in rats, 2553
- Vitamin B₁₂, serum, abnormalities in cancer patients, 1348
- "View from the Giant's Shoulder," 5Th Annual Wendell G. Scott, Lecture, 185
- VM 26 and VP 16-213, a comparative analysis, 334
- VP-16-213, 4'-demethylepipodophyllotoxin 9-(4, 6-O-ethylidine- β -D-glucopyranoside), in treatment of small cell neoplastic pulmonary carcinoma, in oral solution, 633
- Vulva, carcinoma of, invasive, progression to from vulvar intraepithelial Paget's disease, 2333

W

- Watery diarrhea syndrome, in adult with ganglioneuroma-pheochromocytoma, 1526
- Wendell G. Scott Lecture, Fifth Annual, 185

Authors' Index—Volume 40

A

Ackerman, A. B. 813
 Adams, J. B. 325
 Adams, M. B. 2549
 Adamson, R. H. 1950
 Ager, P. J. 105
 Ahdevaara, P. 784
 Aizawa, S. 3019
 Aizawa, Y. 2094
 Akanuma, A. 1071
 Akhtar, M. 728, 3087
 Alami, S. Y. 2941
 Albert, S. 1674
 Albertyn, L. 1501
 Aleem, F. A. 2957
 Alexander, J. C., Jr. 2264
 Alexander, P. 467
 Alexanian, R. 2765
 Alguacil-Garcia, A. 244, 1471
 Allen, C. M. 1026
 Allfrey, V. G. 2576, 2584, 2692
 Alpert, S. 105
 Amasaki, H. 3019
 Anderson, D. E. 1855
 Anderson, G. H. 808
 Anderson, J. M. 30
 Anderson, K. J. 1300
 Anzanel, D. 1735
 Aoki, K. 349, 1269
 Arii, Y. 1016
 Arishima, T. 319
 Aristizábal, S. 2891
 Armbrustmacher, V. W. 301
 Armstrong, B. K. 2152
 Armstrong, D. 268
 Arnal-Monreal, F. M. 1060
 Arseneau, J. C. 1912
 Artusi, T. 865
 Asai, Y. 1016
 Asbjørnsen, G. 638
 Askin, F. B. 2233
 Avila, J. 2891
 Ayala, A. G. 818

B

Baba, N. 2388
 Bailly, C. 924, 928
 Bajetta, E. 2322
 Balikian, J. B. 2941
 Balis, M. E. 2592
 Baker, L. H. 2010
 Banerjee, A. K. 789
 Banfi, A. 1444, 1903
 Bannayan, G. A. 1234
 Baral, E. 2905
 Bardawil, W. A. 1849
 Barnes, L. 1577
 Baroni, C. 2329
 Barr, A. L. 2152

Barr, R. J. 736
 Bartal, A. 1052
 Bartolucci, A. 625
 Barzilai, D. 1297
 Bataini, J. P. 152
 Batata, M. A. 1077
 Bateman, J. R. 667
 Battifora, H. 254
 Bauer, W. 1425
 Baylin, S. B. 1526
 Bedikian, A. 2731
 Bedrossian, C. W. M. 2772
 Befler, B. 2616
 Begin, R. 3076
 Behmard, S. 841
 Belhassen, S. 376
 Bellet, R. E. 1974, 2091
 Ben-Bassat, H. 1481
 Bender, R. A. 406
 Benjamin, R. 2010
 Benjamin, S. P. 2343
 Benjamini, E. 1045, 2102
 Bentley, M. D. 1182
 Beral, H. M. 855
 Berg, J. W. 1801
 Berger, P. S. 152
 Bergiron, C. 1097
 Berkman, J. I. 275
 Bernstein, P. 1045
 Berry, H. C. 1434
 Bertino, J. R. 1280
 Bhagavan, B. S. 773
 Bichel, P. 1206
 Biggar, R. J. 1410
 Biglan, A. W. 2917
 Binet, J. L. 855
 Bjersing, L. 1127
 Blackard, C. E. 1182, 2836
 Blahd, W. H. 195
 Blasco, A. P. 2264
 Blessing, J. 588
 Bleyer, W. A. 1109
 Blom, J. 1304
 Blondet, R. 924, 928
 Bloomfield, C. D. 647, 1748, 1771
 Blum, R. H. 2801
 Bobin, J. Y. 924, 928
 Bodey, G. P. 2731, 2806
 Bodurtha, A. J. 2091
 Boffa, L. C. 2584, 2692
 Boland, J. 180
 Boles, R. 2882
 Bolis, G. 1444
 Bombi, J. A. 1761
 Bonadonna, G. 2322
 Bonfiglio, M. 3092
 Bonfiglio, T. A. 119
 Bonnet, J. 2765
 Borchert, P. 2432

Bordin, G. M. 1793
 Borgaonkar, D. S. 2531
 Boronchovitz, D. 2038
 Bosch, A. 2891, 3082
 Bottomley, R. H. 3097
 Bourgeois, N. H. 1548
 Bove, K. 383
 Boyar, R. M. 307
 Boyd, P. R. 1765
 Boyle, C. C. 2625
 Bradley, W. P. 2264
 Bragg, D. G. 500
 Brattain, M. G. 2479
 Breitfeld, V. 2317
 Breuer, A. C. 2817
 Brinkley, D. M. 609
 Brockman, R. W. 2681
 Broder, L. E. 211
 Brodeur, G. M. 2256
 Brody, R. S. 1917
 Broghamer, W. L., Jr. 836
 Broitman, S. A. 2455
 Bronskill, M. J. 2375
 Brooks, B. 3087
 Brooks, D. H. 2286
 Brooks, J. J. 3065
 Broughton, A. 2772
 Brown, C. C. 1671
 Brown, G. B. 2580
 Brown, R. C. 56
 Brown, W. R. 2497
 Brownstein, M. H. 2979
 Bruguera, M. 1761
 Brunning, R. D. 1771
 Bryan, G. T. 2450
 Brylinski, D. A. 1793
 Buchanan, B. D. 1276
 Buhles, W. C. 2102
 Burbige, E. J. 2632
 Burgert, E. O., Jr. 2864
 Burgess, M. A. 619, 2726, 2731, 2806
 Burns, G. F. 2948
 Burns, P. E. 358
 Bush, R. S. 2375
 Buskard, N. A. 20
 Buysens, N. 1548
 Buxton, E. 1686
 Byers, R. 619

C

Caderao, J. B. 1434
 Cadman, E. C. 1280
 Cahan, W. G. 1785, 1954
 Cajander, S. 1127
 Calabrese, P. R. 895
 Calabresi, P. 2651
 Caldwell, G. C. 1952
 Caldwell, W. L. 3082

- Camacho, L. 1761
Cammoun, M. 376
Candiani, G. B. 1444
Canellos, G. P. 1912
Caparros, B. 2779
Capizzi, R. L. 1280
Carbone, P. P. 605
Caride, V. J. 495
Carmel, R. 1348
Carpenter, J. 625
Carroll, J. R. 2152
Carter, B. L. 170
Carter, D. 1189
Carter, S. K. 544
Cassady, J. R. 78
Cassel, W. A. 672, 680
Cassileth, P. A. 1390
Castellani, R. 2322
Castellino, R. A. 1097
Castleberry, R. P. 998
Castoldi, G. 1735
Catalona, W. J. 2993
Catovsky, D. 20
Cawley, J. C. 2948
Ceccacci, L. 2203
Chan, R. C. 2081
Chang, C. H. 1102
Chapman, J. D. 484
Char, D. H. 1650
Charron, D. 855
Chen, D.-S. 779
Cheng, V. S. T. 3038
Chernik, N. L. 268
Chiang, T. C. 2353
Child, J. A. 2948
Child, M. 1674
Chretien, P. 660, 2264
Chu, F. 1077
Chu, M. Y. 2651
Chu, T. M. 2716
Chuang, C.-Y. 2993
Clark, P. J. 3155
Clark, R. L. 2405
Clark, W. H., Jr. 3112
Clarke, D. N. 2632
Clements, L. G. 744
Coccia, P. F. 1398, 1771
Cochrane, A. M. G. 609
Cohen, G. B. 14
Cohen, J. 1562
Cohen, M. H. 211
Cohen, R. B. 3004
Cohen, R. J. 884
Cohen, S. B. 2632
Cohen, S. S. 509
Cohen, Y. 1052
Cole, P. 434
Coleman, M. 2823
Collins, A. J. 1748
Collins, J. G. P. 1393
Collins, R. D. 1604
Colon, J. 924, 928
Colsky, J. 1010
Condon, R. E. 2549
Constantine, V. S. 2851
Coombes, R. C. 937
Cooper, E. H. 2993
Copeland, M. M. 2406
Coppola, A. 2111
Corbett, T. H. 2660
Cornelis, J. P. 1269
Costanza, M. E. 1010
Costanzi, J. J. 14
Costello, C. 20
Cox, B. 1462
Cox, J. 72
Cox, J. D. 90, 156
Cramer, D. 434
Craven, P. A. 2600
Crissman, J. D. 3042
Crow, S. E. 2102
Cuccia, C. A. 109
Cumbo, T. 2338
Cunningham, T. 1010
Curran, K. L. 3050
Currie, V. 2027
Currie, W. 2171
Curtin, C. T. 2911
Cvitkovic, E. 2027, 2987
- D**
- Dabska, M. 1586
Dahlin, D. C. 1337
D'Angio, G. J. 1903
Danley, D. L. 1045
D'Athis, P. 855
Davidorf, F. H. 2388
Davies, J. N. 3133
Davis, A. B. 1780
Dawkins, R. L. 2152
Dawson, D. M. 2817
de Castro, L. A. 398
Declos, L. 131
DeCosse, J. J. 2549
Dedo, H. H. 2874
Deglise, P. 924, 928
Dehner, L. P. 3054
DKernion, J. B. 2747
Delaney, F. 14
DeLellis, R. A. 1755, 3004
DeNardo, G. L. 2923
DeNardo, S. J. 2923
De Palo, G. 1444
DePapp, E. W. 119
DeRubertis, F. R. 2600
Deschner, E. E. 2625
DeVita, V. T., Jr. 1912
de Waard, F. 1269
Dexter, D. L. 2651
DiBella, N. J. 1276
Didolkar, M. S. 687
Dighiero, G. 855
Dimmick, J. E. 1680
Dionne, G. P. 707
Di Prisco, U. 865
Di Re, F. 1444
Dobbins, W. O., III 2542
Doe, R. P. 234
Dohrmann, G. J. 3123
Domagala, W. 716
Dombernowsky, P. 633
Donaldson, E. S. 2243
Donaldson, M. H. 1005, 2015
Dorfman, R. F. 959, 1229
Douglas, H. O., Jr. 605
Dubois, P. J. 1026
Dunn, D. 3054
- E**
- Earle, K. M. 301
Eastridge, C. E. 2057
Edelstein, R. 3146
Edmonson, J. 4
Edson, J. R. 1398
Edwards, P. A. 3107
Edwards, W. S. 3155
Efron, G. 105
Egan, M. L. 458
Egan, R. L. 2087
Egawa, K. 693
Ege, G. N. 2375
Eimoto, T. 2161
Eisenberg, L. 1348, 2874
Elias, E. G. 687
Elias, L. L. 687
Emeson, E. E. 716
Emilia, G. 865
Engvall, E. 458
Enzinger, F. 1562
Epstein, J. 1087
Esposti, P. 1511
Essery, G. 42
Evans, A. E. 1655
Evans, H. L. 818
Evans, J. T. 2716
- F**
- Farber, E. M. 2851
Farewell, V. T. 931
Farwell, J. R. 3123
Fechner, R. C. 2303
Feig, S. A. 1659
Feldman, P. S. 2216, 2233
Feldstein, M. L. 119
Fenoglio, J. J., Jr. 721
Ferguson, D. J. 977
Fernandez, C. 2015
Ferrone, S. 36
Fiala, E. 2436
Fidler, I. J. 46
Filler, R. M. 78

Findlay, M. 1686
 Fisher, B. 574, 2094, 3160
 Fisher, E. R. 3160
 Fladmoe, A. V. 2432
 Flanigan, D. P. 880
 Flannery, J. T. 3123
 Fletcher, G. H. 131, 145
 Flexner, J. M. 1604
 Follezou, J. Y. 855
 Ford, H. T. 937
 Forrester, E. M. 756, 2209
 Francis, D. J. 700
 Frank, H. D. 895
 Franklin, I. M. 2948
 Franssila, K. O. 2896
 Fraumeni, J. F., Jr. 1450
 Frederiksen, P. 1206
 Freeman, A. I. 398, 1143, 1161
 Frei, E., III 569, 2792, 2801
 Freireich, E. J. 2806
 Frenkel, E. P. 340
 Friás, Z. 2891
 Fricks, C. M. 2502
 Friedlander, L. M. 2882
 Froimovici, M. 1481
 Frytak, S. 9
 Fu, K. K. 489, 2874, 2882
 Fu, Y.-S. 1314
 Fuhrman, T. 2797
 Fuks, Z. 1229, 2071, 2851
 Fukushima, D. K. 307

G

Gagliano, R. G. 14
 Gajl-Peczalska, K. J. 1771
 Galante, E. 2322
 Gallager, H. S. 131, 185
 Galton, D. A. G. 20
 Garry, P. 1122
 Garza, R. 1425
 Gaudette, L. A. 358
 Gazet, J. C. 937
 Gehan, E. A. 2015, 2765, 2864
 George, S. L. 2005
 Gerard, J. P. 924, 928
 Gerdes, A. J. 1434, 2079, 2914
 Gerson, J. 1655
 Gersten, D. M. 46
 Gettinby, G. 30
 Gettlefinger, T. 2917
 Ghoneim, M. A. 1077
 Ghossein, N. A. 105
 Ginsberg, A. L. 2542
 Giuntoli, R. L. 2933
 Glick, A. D. 1604
 Glicksman, A. S. 61
 Godwin, J. D., II 1671
 Goellner, J. J. 1471
 Goellner, J. R. 244
 Golbey, R. B. 653, 2987

Goldblum, N. 1481
 Goldenberg, I. S. 1492
 Goldin, A. 2640
 Goldin, B. 2421
 Goldman, J. M. 20
 Goldman, R. L. 884
 Goldrosen, M. H. 2716
 Goldsmith, R. 1246
 Goldstein, A. L. 14
 Goldstein, M. 84
 Goldstein, M. K. 364
 Goldstein, M. N. 2256
 Goltzman, D. 1060, 3004
 Golub, S. H. 36
 Gomperts, E. D. 1593
 Goodman, R. 84
 Goodwin, J. W. 2010
 Gorbach, S. L. 2421
 Gore, H. 1112
 Gottlieb, L. S. 2455
 Gottschalk, A. 495
 Gould, T. S. 1755
 Grabstald, H. 1077
 Grace, M. 358
 Graham, J. H. 736, 1702
 Gralnick, H. R. 3115
 Greenspan, E. M. 3146
 Greenwald, E. 716
 Greer, H. S. 2381
 Griffel, M. 3140
 Griffin, T. W. 1109, 2079, 2914
 Griffiths, W. J. 3097
 Grindey, G. B. 534
 Griswold, D. P. 2660
 Groman, G. S. 275
 Gruppo, R. 383
 Grusovin, G. D. 1735
 Gualandi, M. 1735
 Guarino, S. 2329
 Guirgis, H. A. 1849
 Gunderson, L. 56
 Gutierrez, M. 2779
 Gutterman, J. U. 2726

H

Haasz, R. 1052
 Hafermann, M. 2914
 Hager, J. C. 2651
 Haghbin, M. 1417
 Hahn, E. W. 161
 Hahn, R. G. 9
 Haim, N. 2273
 Hajdu, S. I. 744, 1562
 Hajdu, S. T. 2987
 Hajj, A. A. 2941
 Hall, D. C. 364
 Haltia, M. 784
 Hamburger, R. N. 994
 Hammond, D. 2015
 Han, T. 2716
 Hancock, B. W. 2309
 Handschumacher, R. E. 529
 Hanley, J. 605
 Hansen, H. H. 633
 Hansen, M. 633
 Hansson, G. 846
 Haradin, A. R. 2094
 Hardy, Y. 2038
 Harisiadis, L. 1102
 Harper, P. V. 977
 Harris, A. 3042
 Harris, C. 1903
 Harris, N. 14
 Harris, R. E. 1849
 Harris, S. 871
 Harrist, T. J. 3102
 Harrower, H. W. 1318
 Hart, W. R. 898, 2333
 Hashimoto, M. 319
 Hattori, A. 349
 Hausner, R. J. 1533
 Haut, A. 2765
 Hawk, W. A. 2343
 Hays, D. M. 2015
 Hazani, A. 1297
 Hebel, J. R. 687
 Hedrickson, F. R. 98
 Hefner, R. R., Jr. 301
 Heidelberger, C. 430
 Heise, H. 1562
 Hellman, L. 307
 Hellman, S. 84
 Helveston, E. M. 2917
 Henderson, I. C. 2801
 Hendrickson, M. R. 959
 Henness, A. M. 2102
 Henney, J. E. 334
 Henry, L. 2309
 Herberman, R. B. 1650
 Herbert, V. 2109
 Hernandez-Nieto, L. 1761
 Herrmann, R. P. 2152
 Hersh, E. M. 2726, 2731
 Herz, J. 1045
 Higgins, G. A., Jr. 1318
 Hilaris, B. 653, 1077
 Hill, A. S. 1300
 Hillyard, C. J. 937
 Hiraki, S. 2131, 2999
 Hirsch, F. 633
 Hirshaut, Y. 744
 Hisamitsu, T. 1240
 Hitchcock, M. H. 660
 Hoffman, J. 2299
 Holland, J. 4, 871
 Hollinshead, A. C. 660, 1650, 2993
 Holmes, J. 871
 Holyoke, E. D. 2716
 Holoye, P. Y. 2772
 Hong, W. K. 2987
 Hopfan, S. 653

Hoppe, R. T. 2071, 2851
 Horáček, J. 832
 Hornback, N. B. 2854, 2917
 Horne, E. O. 2203
 Horvath, E. 2216
 Host, H. 638
 Houchens, D. P. 2640
 Howarth, C. 2464
 Howell, J. 2716
 Huang, S.-N. 1060
 Hughes, W. B. 1793
 Hull, M. T. 3030
 Hultborn, A. 916
 Humphrey, E. W. 2057
 Hung, H. C. 2957
 Husby, G. 1629
 Hussey, D. H. 1434

I

Inokuchi, K. 615
 Irie, R. F. 36
 Ishak, K. G. 2400
 Ishida, T. 234
 Ishii, Y. 766
 Ishikawa, E. 3019
 Ishikawa, G. 2250
 Ishiwata, K. 1194
 Ishizuka, N. 1016
 Israel, L. 3146
 Ivins, J. C. 803
 Iwasa, T. 349
 Izawa, T. 349

J

Jackson, B. R. 2365
 Jackson, J. M. 2152
 Jackson, R. J. 2487
 Jacobs, D. W. 721
 Jacobs, L. 2338
 Jacobs, M. M. 2557
 Jacobson, M. E. 234
 Jacobson, S. A. 2116
 Jacques, J. 2171
 Jaeschke, W. 3082
 Jaffe, N. 78
 Jain, J. 2063
 Javadpour, N. 2136
 Jaziri, M. 376
 Jeglum, K. A. 2933
 Jemec, B. 2188
 Jenkin, R. D. T. 1903
 Jereb, M. 1354
 Jinnouchi, S. 1240
 Joe, B. T. 2854
 Johnson, R. 1912
 Johnson, R. J. R. 595
 Johnson, R. K. 2640
 Johnson, W. W. 1393, 2464
 Joshi, V. V. 789
 Jubert, A. 2726
 Jung, P. F. 2353

K

Kademian, M. 3082
 Kahan, B. D. 2740
 Kahn, L. B. 1501
 Kahn, P. C. 1439
 Kakati, S. 1173
 Kalimo, H. 784
 Kalisher, L. 3102
 Kamiya, H. 349
 Kaneko, A. 319
 Kaneko, T. 1240
 Kantor, E. B. 2967
 Kaplan, A. 1037
 Kaplan, H. S. 2071
 Kasagi, A. 766
 Kaseki, S. 1016
 Katayama, I. 2203
 Kato, H. 1621
 Katumbira, N. 1686
 Katz, M. E. 1390
 Katzenstein, A.-L. A. 2233
 Kay, S. 1759
 Kazam, E. 4
 Keasbey, L. E. 1702
 Keehn, R. J. 1318, 2057
 Keeling, M. M. 836
 Kelly, F. 30
 Kennedy, B. J. 1571
 Kew, M. C. 1593
 Key, C. R. 1793
 Keyhani, A. 3168
 Keyser, J. W. 937
 Kiang, D. T. 1571
 Kim, H. 959, 1229
 Kim, J. H. 161
 Kim, Y. S. 2473
 Kimura, I. 2999
 Kinne, D. 1365
 Kirmss, V. 3133
 Kishimoto, H. 2131, 2999
 Kissane, J. 2864
 Kitagawa, M. 402
 Kjaer, T. 1206
 Kjorstad, K. E. 2953
 Klahr, C. 987, 1386
 Klepp, O. 638
 Klepp, R. 638
 Klinger, H. P. 2957
 Knaack, J. 1060
 Knecht, M. E. 2699
 Knight, A. R. 945
 Kobayashi, M. 615
 Kojiro, M. 319, 1240
 Kolarsick, A. J. 2911
 Komp, D. 2005
 Koontz, C. H. 1276
 Kopelovich, L. 2534
 Kopelson, G. 1102
 Kornblith, P. L. 1087
 Koss, L. G. 716
 Kott, E. 3087

Kovacs, K. 2216
 Kraj, M. A. 2094
 Krakoff, I. H. 2027
 Krant, M. 4
 Krause, J. R. 2317
 Krauss, S. 625
 Krementz, E. T. 1812
 Kreutner, A., Jr. 371
 Krishnamurthy, G. T. 195
 Krivit, W. 1398
 Krohn, K. A. 2923
 Krush, A. J. 2531, 2632
 Kubo, Y. 319, 1240
 Kubonishi, I. 2131, 2999
 Kuhn, J. P. 398
 Kumar, A. P. M. 2464
 Kung, F. H. 994
 Kupchella, C. E. 3050
 Kurman, R. J. 2136
 Kutvirt, D. M. 1793

L

Lagios, M. D. 1726
 Lalwak, A. 1686
 Lam, L. K. T. 2432
 LaMonte, C. 2027
 Landgren, R. D. 131
 Lane, D. M. 2005
 Lang, J. R. 2388
 Langfitt, T. W. 2067
 Larkin, J. M. 3155
 Larsson, L.-E. 2905
 Lascari, A. D. 1393
 Lattuada, A. 1444
 Laucius, J. F. 2091
 Law, I. P. 1304
 Lawler, W. 1519
 Lawrence, R. 1492
 Lawrence, W., Jr. 1462, 2015
 Lawrence, W. D. 1112
 Lawton, W. 3092
 Lee, J. H. 3097
 Lee, R. E. 2286
 Lee, Y.-T. N. 667
 Leech, J. H. 1604
 Lefkowitz, E. 1497
 Lefkowitz, M. 1497
 Lehman, T. J. A. 950
 Leibel, S. A. 2882
 Leidner, S. D. 2616
 Leite, C. 2010
 Lemon, H. M. 1825
 Leporrier, M. 855
 Leshner, S. 2706
 Letton, A. H. 1
 Leventhal, B. G. 3115
 Levin, B. 2509
 Levine, M. L. 2882
 Levy, R. 773
 Lewis, G. C., Jr. 588

Lewis, J. D. 2797
Li, F. P. 445, 1899
Lijinsky, W. 2446
Lilleyman, J. S. 1300
Lindberg, R. D. 145
Lindberg, S. 846
Lipkin, G. 2699
Lipkin, M. 2523
Liszcak, T. M. 1087
Little, J. B. 1087
Little, J. H. 217
Livingston, J. N. 1526
Loeb, V. 2896
Loeffler, R. A. 1045
Loken, A. C. 907
Lokich, J. J. 1202, 2792, 2801
Long, F. C. 2625
Lonsdale, D. 2005
Loukas, D. 14
Louria, D. B. 3133
Luciani, L. 1444
Lundgren, B. 1726
Lustbader, E. 1974
Lynch, H. T. 1849
Lynch, J. F. 1849
Lynch, P. M. 1849

M

MacSween, J. M. 808
Maeda, M. 1222
Magnus, K. 389
Mahboubi, E. 1879
Malahy, M. A. 2726
Mandelli, F. 2329
Mangan, C. 2933
Mangioni, C. 1444
Mannoni, P. 3146
Manthel, R. W. 2046
Maor, M. 2081
Marcial, V. 2891
Marcus, D. 937
Mark, G. J. 1765, 2181
Markovits, P. 1097
Marquardt, H. 1930
Marquardt, H. 1930
Marsden, H. B. 1519
Marshall, C. 2854
Marshall, G. J. 667
Marshall, L. F. 2067
Martin, L. 383
Martin, R. G. 1562
Martinez, M. G. 2278
Martinez-Hernandez, A. 700
Martini, N. 653
Maruyama, Y. 67, 2243
Masaoka, A. 1222
Mason, E. M. 1
Mastrangelo, M. J. 1974, 2091
Masuji, H. 2131, 2999
Matsuda, Y. 2131, 2999
Mattioli, G. 1444
Mattsson, B. 2905
Matz, L. R. 2152
Mauch, P. 84
Maurer, H. M. 2015
Mauri, C. 865
Mavligit, G. M. 2726, 2731
Mayer, M. 924, 928
Mayer, R. J. 2792, 2801
McAllister, H. A., Jr. 721
McBride, C. M. 2726
McCaffrey, J. A. 1439
McCall, D. C. 1492
McCann, W. P. 998
McCarthy, E. F. 3092
McClurg, F. L. 1045
McCreary, R. H. 9
McHeffy, B. 2911
McIntire, K. R. 2136
McKeen, E. A. 1867
McKenna, R. W. 1748, 1771
McLaughlin, A. P., III 1212
McLeod, R. A. 1337
McQuade, C. E. 1793
Meadows, A. T. 1005, 1903
Meisels, A. 3076
Meissner, W. 1562
Mekori, T. 1052
Melamed, M. 653
Melicow, M. M. 1987
Mendeloff, G. L. 1318
Mendelson, L. M. 994
Mercer, R. D. 2343
Merino, O. R. 145
Merrill, J. R. 410
Merrin, C. E. 1697
Merzbach, D. 2273
Meshulam, T. 2273
Messer, R. J. 3074
Metcalfe, J. S. 371
Meyer, J. E. 3074
Meyer, J. S. 2286
Micheau, C. 314
Michel-Bécht, M. 284
Mietowski, W. 72
Mihich, E. 534
Miké, V. 1365, 1903
Mikuta, J. J. 2933
Mill, W. B. 2896
Miller, D. 773
Miller, D. G. 2616
Miller, G. C. 803
Miller, J. R. 994
Miller, R. M. 728
Miller, S. F. 945
Miller, W. T. 1562
Milligan, F. D. 2632
Millman, J. B. 2333
Milsow, L. 1138
Mindell, E. R. 398
Mineo, T. C. 2329
Minowada, J. 2716
Mitchell, G. W. 61
Mitrani, Rosenbaum, S. 1481
Mittleman, A. 796, 2716
Miwa, T. 1016
Miyamori, I. 402
Miyoshi, I. 2131, 2999
Modan, B. 1887
Moertel, C. G. 9, 605, 1786
Mohr, U. 203
Monden, Y. 1222
Montgomery, A. B. 2079
Moon, R. C. 2502
Moon, T. 2015
Moore, M. E. 672, 680
Moore, R. H. 796, 1697
Moorhead, E. L., II 1450
Moran, R. E. 1453
Moreno, H. 998
Morgan, E. 1005
Mørk, S. J. 907
Morris, T. 2381
Morton, D. L. 3112
Mosende, C. 2779
Mosteller, R. C. 2087
Motoike, Y. 1240
Moukhtar, M. 2957
Mourali, N. 376
Muenz, L. 376
Muggia, F. M. 334
Müller, W. E. G. 2787
Mulvihill, J. J. 1867, 3115
Munzenrider, J. E. 170
Muriel, F. S. 1402
Murphy, A. I. 3174
Murphy, E. A. 2531, 2632
Murphy, G. P. 796, 1697
Murphy, M. L. 1417
Murphy, W. K. 2806
Murray, D. R. 672, 680
Murray-Lyon, I. M. 609
Musha, H. 1240
Mushinski, M. H. 1872
Musumeci, R. 1444
Myerowitz, R. L. 1026, 3107
Myers, M. H. 1892

N

Nagaoka, Y. 1222
Nagasaki, Y. 319, 1240
Nagasue, N. 615
Nagata, E. 319
Nakabayashi, H. 402
Nakajima, Y. 1240
Nakashima, T. 319, 1240
Nakayama, T. 2131, 2999
Narvaez, R. 67
Nash, A. G. 937
Nassar, V. H. 2941
Natale, N. 1444

Natali, J. C. 855
 Nathanson, L. 1010
 Natsuzaka, T. 766
 Neel, H. B., III 1643
 Neifeld, J. P. 2053
 Nerlinger, R. E. 1659
 Nesbit, M. E. 1398, 2864
 Neville, A. M. 937
 Newberne, P. M. 2553
 Newell, G. R. 1812
 Newman, R. P. 2338
 Newton, W. 2015
 Nichol, C. A. 519
 Nisce, L. Z. 161
 Nishi, H. 1016
 Nizet, B. 855
 Nkrumah, F. K. 1410
 Noël, P. 924, 928
 Nogueira, C. 307

O

Obata, H. 1240
 Obedeau, N. 2273
 O'Brien, P. H. 371
 O'Connell, M. J. 9
 O'Connor, J. 2111
 Ohanian, M. 72
 Ohkawa, K. 3019
 Ohshima, S. 766
 Okada, Y. 402
 Okagaki, T. 234
 Okazaki, N. 1240
 Okuda, K. 319, 1240
 Olkowski, Z. L. 672, 680
 Olofsson, J. 1307
 Olson, K. 4
 Orgel, H. A. 994
 Orjaseter, H. 2953
 Ornitz, R. 1434
 Ortega, J. 2829
 Ortega, J. A. 950
 Oshimura, M. 1143, 1149, 1161
 Osieka, R. 2640
 Overturf, G. D. 226

P

Pak, H. Y. 3030
 Palmer, M. K. 1519
 Palmer-Hanes, L. A. 2896
 Pamukcu, A. M. 2450
 Papachristou, D. 1968
 Papadimitriou, J. M. 2152
 Papavasiliou, C. 2312
 Pape, G. R. 448
 Pappas, J. 2312
 Parker, R. G. 481, 1434, 2079, 2914
 Parker, R. L. 3014
 Parnell, D. N. 2896

Pasmantier, M. 2823
 Patchefsky, A. S. 1659, 1783
 Pathak, I. C. 789
 Pavlatou, M. 2312
 Pavlides, G. P. 2632
 Pavlovsky, S. 1402
 Peake, G. T. 1629
 Peck, A. 180
 Peckham, J. C. 2660
 Pellegrino, M. A. 36
 Pelletiere, E. V. 98
 Pellis, N. R. 2740
 Penkoske, M. A. 2896
 Perez, C. A. 1425, 2864
 Perkins, I. V. 1410
 Perlmann, P. 448
 Perzin, K. H. 1314
 Peters, T. G. 2797
 Peterson, B. A. 647, 1748
 Petrovich, Z. 72
 Phanse, M. 2706
 Phillips, J. P. 1087
 Phillips, T. L. 489, 2874, 2882
 Pietruszka, M. 1577
 Pilch, Y. H. 2747
 Pilepich, M. 170
 Piro, A. 84
 Pitman, S. W. 2817
 Pláček, V. 832
 Plenk, H. P. 56
 Plumb, M. 871
 Polan, A. 3133
 Polliack, A. 1481
 Port, A. 1365
 Posner, J. B. 268
 Post, J. 2299
 Powles, T. J. 937
 Prathap, K. 1618
 Pratt, C. B. 2464, 2810
 Prempre, T. 109
 Presant, C. A. 987, 1386
 Pretlow, T. G., II 2479
 Pretlow, T. P. 2479
 Price, N. M. 2851
 Priester, W. A. 1845
 Pritchard, D. J. 803, 1337, 1711
 Pryor, A. C. 884
 Pullen, J. 2005
 Purdy, J. A. 2896
 Putong, P. B. 1122

Q

Quinn, J. J. 950

R

Radot, E. 3146
 Rafta, S. 136
 Ragab, A. 2005, 2015
 Ragins, H. 105

Ragnhult, I. 846
 Rammung, K. P. 2747
 Ramsay, N. K. C. 1398
 Raney, B. 2015
 Ransom, J. L. 2810
 Rao, B. R. 2290
 Raphael, M. 855
 Rapp, F. 419
 Rapp, H. J. 2930
 Rasey, J. S. 1109
 Rawson, R. W. 2758
 Razek, A. 2864
 Reddick, R. 1450
 Reddy, B. S. 2414, 2565
 Reddy, G. N. 1077
 Reddy, S. 98
 Redmond, C. 3160
 Reed, C. L. 419
 Regelson, W. 1010, 1037, 2038
 Reichert, F. 1481
 Reid, A. 1917
 Reilly, J. J. 2053
 Reimer, R. R. 1450
 Reingold, I. M. 1702
 Reinhard, E. H. 2896
 Reisfield, R. A. 36
 Reitemeier, R. J. 9
 Reiter, A. 1045
 Rene-Ferrero, J. B. 170
 Rentschler, R. 619
 Reyes, J. W. 1122
 Reznik-Schüller, H. 203
 Rhoads, J. E. 2572
 Ribi, E. 2930
 Ricci, C. 2329
 Richardson, J. D. 1234
 Riddell, R. H. 2509
 Ridolfi, R. L. 1365
 Riggs, C. W. 46
 Rigler, G. L. 1629
 Rilke, F. 2322
 Ritts, R. E., Jr. 803, 1643
 Rivera, G. 2464
 Rizzoli, H. V. 660
 Roach, T. C. 2948
 Roberts, B. E. 2948
 Roberts, B. J. 2660
 Robinson, E. 1052, 2273
 Robinson, L. 2278
 Rodriguez, V. 2731
 Rogers, C. C. 1434
 Rohde, H. J. 2787
 Romero, L. 1330
 Romney, S. L. 2957
 Romsdahl, M. M. 818
 Rosas-Urbe, A. 1533
 Rose, L. M. 2681
 Rosen, F. S. 1655
 Rosen, G. 2779
 Rosen, P. P. 1365
 Rosen, S. W. 211

- Rosenberg, M. 2699
 Rosenberg, S. A. 2053
 Rosenthal, D. 84
 Royce, R. K. 1425
 Rozencweig, M. 334
 Rozman, C. 1761
 Rubin, E. 2933
 Rubin, J. 9
 Rubin, P. 119
 Rudders, R. A. 1439
 Rudolph, J. H. 119
 Ruoslahti, E. I. 458
 Russell, A. S. 42
 Russell, W. O. 1562
 Rutzky, L. P. 2740
- S**
- Sachs, G. 2487
 Sadeghi, A. 841
 Saiki, N. 1016
 Saito, M. 693
 Sakai, H. 14
 Sakamoto, K. 319, 1240
 Sakota, Y. 2250
 Saku, M. 615
 Sakurai, M. 349
 Salazar, O. M. 119
 Salem, A. A. 2941
 Salem, P. A. 2806, 2941
 Salmon, S. 2765
 Saltzstein, S. L. 1212
 Samal, B. 2063
 Sandberg, A. A. 1143, 1149, 1161, 1173
 Sanders, F. K. 1841
 Santos-Briz, A. 1330
 Sartiano, G. P. 3107
 Sastre, R. 1330
 Sawa, Y. 319, 1240
 Saxena, V. S. 98
 Scanlon, E. F. 410
 Scapoli, G. 1735
 Scardino, P. T. 2136
 Schabel, F. M., Jr. 558, 2660
 Scheunemann, H. 2787
 Schiffer, L. M. 2706
 Schmähel, D. 1927
 Schmauz, R. 1686
 Schmidseider, R. 2787
 Schmitz, R. L. 1562
 Schneider, V. 3076
 Schneiderman, M. 4
 Schoenberg, B. S. 1892, 1961
 Schoene, W. C. 2817
 Schoenfeld, D. 1010
 Schoental, R. 1833
 Schottenfeld, D. 1801, 1917, 1982, 2616
 Schrieber, H. 2273
 Schutt, A. J. 9
 Schwartz, A. 1903
 Schwartz, G. F. 1659
 Schwartz, M. K. 2620
 Scotto, J. 4
 Seal, U. S. 2836
 Sedlacek, T. V. 2933
 Sedransk, N. 1010
 Seike, Y. 1222
 Sekhon, G. S. 2256
 Selawry, O. 4
 Selzer, G. 1501
 Seo, I. S. 3030
 Serlin, O. 1318
 Sessions, R. B. 2303
 Sethi, J. 744
 Ševce, J. 832
 Shaber, G. S. 1659
 Shaddix, S. C. 2681
 Shafiepoor, H. 841
 Shahid, M. J. 2941
 Shanks, E. 2464, 2810
 Sherlock, P. 2609, 2616
 Shidnia, H. 2854, 2917
 Shields, T. W. 2057
 Shimokawa, Y. 319, 1240
 Shin, W.-Y. 275
 Shingleton, H. M. 1112
 Shinozuka, H. 1122
 Shnider, B. 4
 Shubik, P. 1821
 Shupe, R. E. 2854
 Sidhu, G. S. 756, 2209
 Sieber, S. M. 1950
 Siegel, S. E. 950
 Silfverswärd, C. 916
 Silingardi, V. 865
 Silver, R. T. 2823
 Silverberg, S. G. 700
 Silverman, N. A. 2264
 Singh, G. 2286, 2317
 Singhakowinta, A. 2063
 Sinha, A. A. 1182, 2836
 Sinkovics, J. G. 2010
 Sinks, L. F. 398
 Sjögren, H. O. 2710
 Skarin, A. T. 2792, 2801
 Sklarew, R. J. 2299
 Slawson, R. G. 109
 Sloane, J. P. 937
 Smalley, R. V. 625
 Smith, D. E. 3155
 Smith, P. C. 1533
 Smith, R. R. L. 1189
 Smoron, G. L. 1422
 Sommers, S. C. 2957
 Song, S. Y. 1173
 Soule, E. H. 1711, 2015
 Spanedda, R. 1735
 Spiers, A. S. D. 20
 Spinelli, P. 2322
 Spivak, J. C. 1872
 Spratt, J. S., Jr. 1806
 Spremulli, E. 2038
 Starling, K. A. 2005
 Stearns, M. W., Jr. 2616
 Stein, G. H. 364
 Steiner, G. C. 2967
 Stenwig, A. E. 638
 Stevens, S. C. 2290
 Stewart, H. B. 2487
 Stimson, W. H. 937
 Stock, M. 2542
 Stoffel, T. J. 90, 156
 Stone, M. J. 340
 Strano, A. J. 1393
 Strate, R. W. 1234
 Stratton, M. L. 1045
 Straus, M. J. 1453
 Strauss, B. S. 471
 Strayer, D. R. 406
 Strickland, R. G. 1629
 Strober, S. 2071
 Strong, J. E. 2772
 Strong, L. C. 438, 1861
 Suffin, S. C. 3112
 Sufrin, G. 796
 Suit, H. D. 1562
 Sumithran, E. 1618
 Sung, J.-L. 779
 Suphakarn, V. 2553
 Sutow, W. W. 2015
 Szpak, C. A. 340
- T**
- Tabbane, F. 376
 Tagatz, G. E. 234
 Takagi, M. 2250
 Takayama, S. 2250
 Takeda, R. 402
 Taki, M. 349
 Talerman, A. 889
 Talle, K. 638
 Tamburro, C. H. 3050
 Tan, C. T. C. 1417
 Tanaka, T. 2999
 Tanguay, P. R. 1755
 Tanimoto, Y. 349
 Tanino, T. 693
 Tanski, E. V. 813
 Tatarsky, I. 1297
 Tateno, S. 766
 Taubin, H. L. 895
 Taxy, J. B. 254
 Taylor, E. 2914
 Taylor, J. 1968
 Taylor, S., III 4
 Taylor, W. 2914
 Tchakarova, I. 170
 Tefft, M. 2015, 2864
 Tejada, F. 211
 Terashima, Y. 3019
 Terrell, W. 2464

Terrón, J. 1330
 Terz, J. J. 1462
 Tesh, D. 2914
 Theilen, G. H. 2102
 Thind, I. S. 3133
 Thomas, P. 937
 Thommesen, P. 1206
 Thomson, P. D. 14
 Thurman, G. B. 14
 Tibbets, L. M. 2651
 Tillack, T. W. 2896
 Tischler, A. S. 3004
 Tisell, L.-E. 846
 Tisman, G. 2109
 Tobon, H. 3174
 Todd, C. W. 458
 Tokita, N. 161
 Tom, B. H. 2740
 Tomoda, Y. 1016
 Torbin, A. H. 672, 680
 Torelli, U. 865
 Torigoe, T. 1621
 Torikata, C. 1194
 Torma, T. 784
 Torten, M. 2102
 Toth, B. 2427
 Trips, L. 2531
 Tritsch, G. L. 796
 Trotta, P. P. 2592
 Troye, M. 448
 Trump, D. L. 1526
 Tsao, D. 2473
 Tullis, J. 84
 Turkel, S. B. 226
 Turman, S. 2823
 Turner, S. S. 105
 Tuttolomondo, A. 871

U

Uchida, Y. 349
 Ueda, K. 383
 Umeda, T. 693
 Unal, A. 1077
 Unger, F. 383
 Unni, K. K. 244, 1337, 1471
 Urtasun, R. C. 484
 Urban, J. A. 1968
 Us-Krašovec, M. 1354
 Utley, J. 2243

V

Vaisman, I. 1974

Vaitkevicius, V. K. 2063
 Valdivieso, M. 2731
 Valenta, L. J. 284
 Valle, A. 1330
 Valu, A. F. 2203
 Van Amburg, A., III 987
 van der Harten, J. J. 889
 Van Der Walt, J. A. 1593
 van Nagell, J. R., Jr. 2243
 Van Nostrand, A. W. P. 1307
 Vaugier, G. 855
 Vavrousek-Jakuba, E. 2455
 Vianna, N. J. 3133
 Victor, T. A. 410
 Vidali, G. 2692
 Vider, M. 67
 Vieira, E. F. 105
 Vietti, T. 2864
 Vindeløv, L. L. 1206
 Viravathana, T. 109
 Vitale, J. J. 2455
 Vogel, C. 625
 Von Hoff, D. D. 334

W

Wahren, B. 1511
 Waisman, J. 3112
 Wajzman, Z. 1697
 Waldmann, T. A. 2136
 Waldron, J. A. 1604
 Wallgren, A. 916
 Wampler, G. 2038
 Wang, C. C. 3038
 Wang, N.-S. 707, 1060
 Warnke, R. A. 1229
 Warren, J. V. 2948
 Wattenberg, L. W. 2432
 Weedon, D. 217
 Weichselbaum, R. R. 78, 1087
 Weick, J. 2765
 Weil, P. 105
 Weiner, J. 667
 Weintraub, B. D. 211
 Weisburger, E. K. 1935
 Weisburger, J. H. 2414
 Weisburger, W. 773
 Weiss, A. J. 2046
 Weiss, J. F. 2264
 Wenk, R. E. 773
 Wennstrom, C. J. 2632
 Whang-Peng, J. 3115
 Wharton, J. T. 131
 Wheeler, J. E. 2933, 3065

Whitcomb, M. E. 3014
 White, W. L. 2290
 White, P. 2381
 Whitehead, J. 2473
 Whitmore, W. F. 2987
 Whitmore, W. F., Jr. 1077
 Wickstrum, D. A. 1533
 Wilkinson, E. J. 2797
 Williams, R. 609
 Williams, R. C., Jr. 1629
 Wilson, J. P. 1
 Winawer, S. J. 2609, 2616, 2615
 Winchester, D. P. 410
 Winkelmann, R. K. 1471
 Winter, W. G. 1138
 Wirman, J. A. 3042
 Wiseman, F. 2740
 Wittes, R. E. 653, 2987
 Wizenberg, M. J. 109
 Wolfe, H. J. 3004
 Wolter, J. 1010
 Wood, E. G. 2243
 Wood, S. E. 30
 Wood, W. S. 1680
 Wuerker, R. B. 736
 Wynder, E. L. 1246, 1872, 2414, 2565

Y

Yadav, K. 789
 Yalçiner, S. 2450
 Yamamoto, I. 402
 Yamashiro, T. 349
 Yates, J. 871
 Yeh, S. 2027
 Yokoyama, M. 766
 Yoneyama, T. 1138
 Yoonessi, M. 898
 Yoshida, M. 1269
 Yoshizumi, T. 349
 Young, H. 1037
 Young, S. E. 2081

Z

Zahn, R. K. 2787
 Zawadzki, Z. 2094
 Zbar, B. 2930
 Zedeck, M. S. 2580
 Zeighmani, E. 841
 Zimmerman, M. R. 1358
 Zimmerman, R. 1511
 Zinberg, N. 937

